(1001)Agricultural Civil Engineering Words (Illustration) in Africa 1001~1421

Reference Publisher Bookstore

1 Old life and Tools KOMINE Bookstore

2 Old life and Tools IWASAKI Bookstore

3 Old Tools POPURA Bookstore

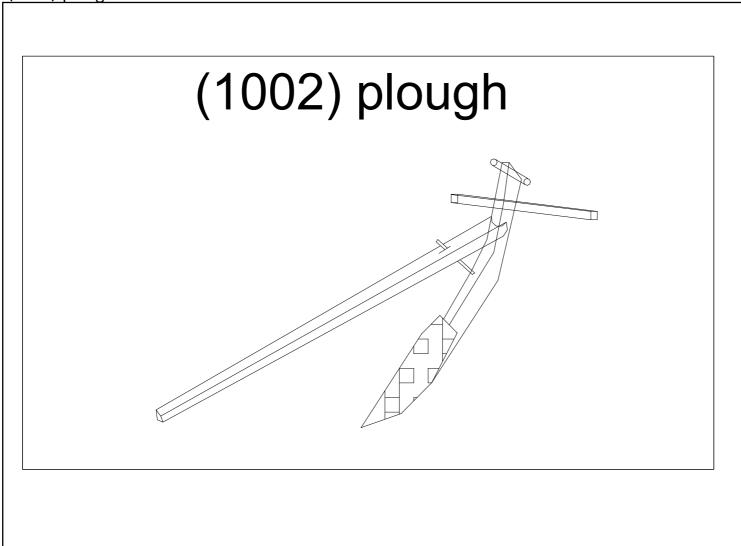
4 Water AKANE Bookstore

5 Japanese Agriculture IWASAKI Bookstore

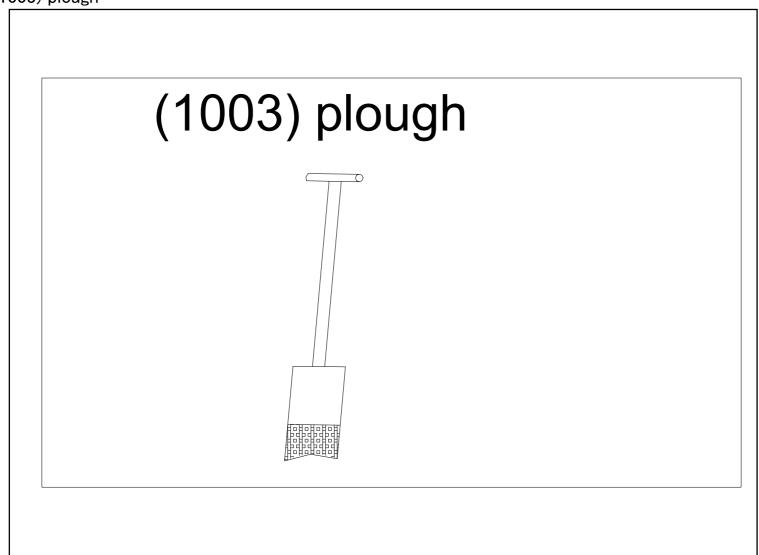
6 Modern Agriculture NOUBUNKYOU

7 Agricultural Civil Engineering Words (illustration) TOUYOU Bookstore

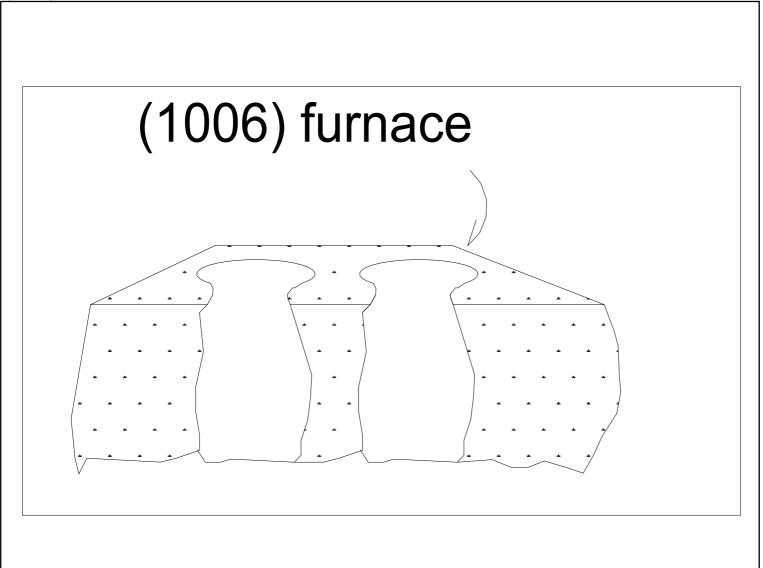
只野 敏夫 Tadano Toshio (1002) plough



(1003) plough

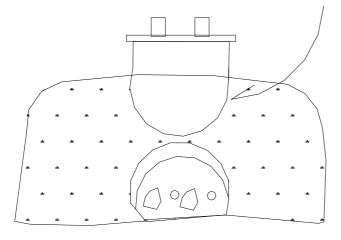


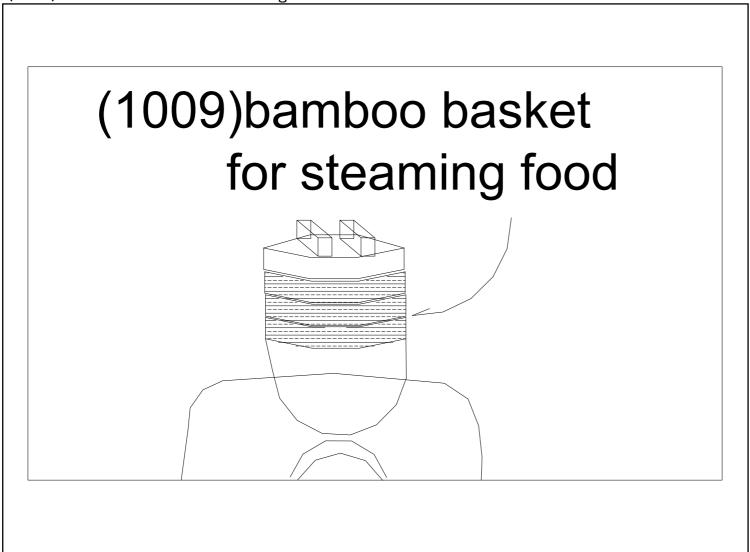
(1004) plough (1004) plough (1005) hoe (1005) hoe (1006) furnace



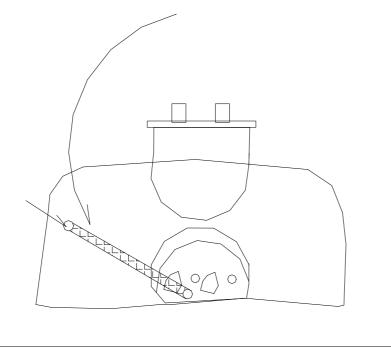
(1007) furnace (1007) furnace /

(1008) broad-brimmed cooking pot for rice







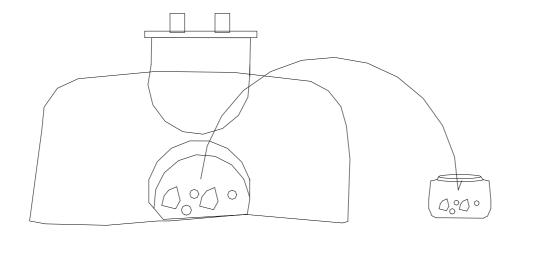


(1011) fan (1011) fan (1012) fire shovel

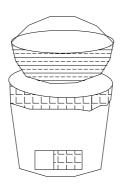


(1013)charcoal extinguisher

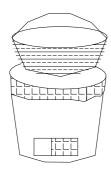
(1013) charcoal extinguisher



(1014) portable clay cooking stove cooking stove



(1015) charcoal





charcoal



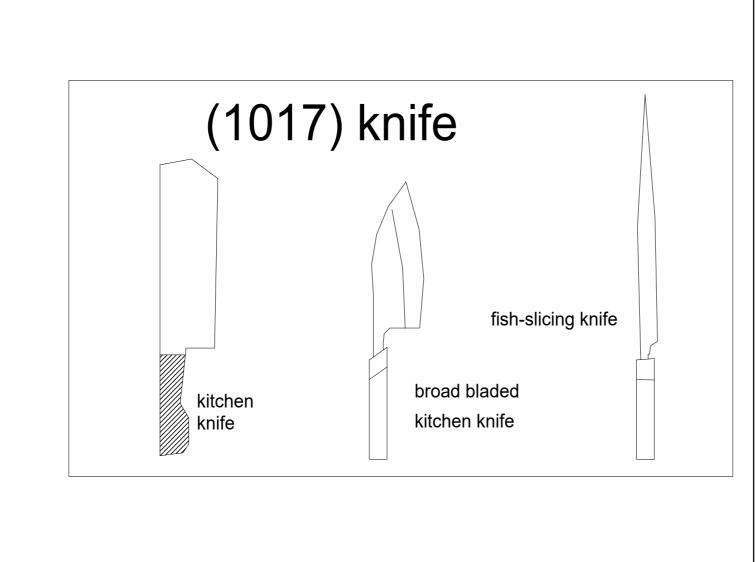
artificial coal briquette



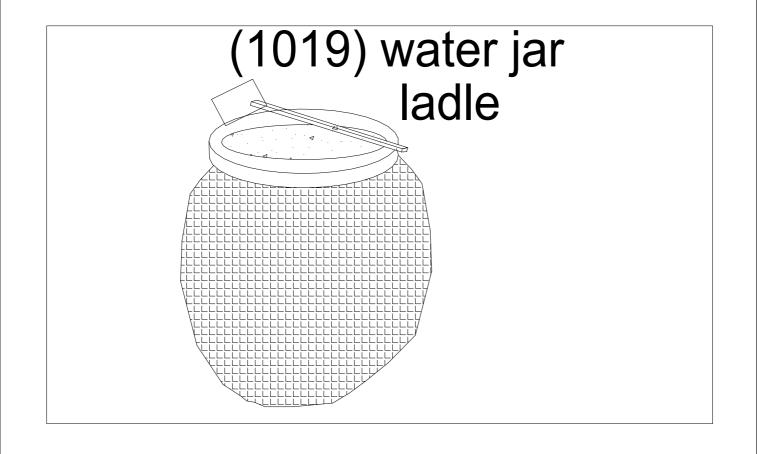
oval briquette fire



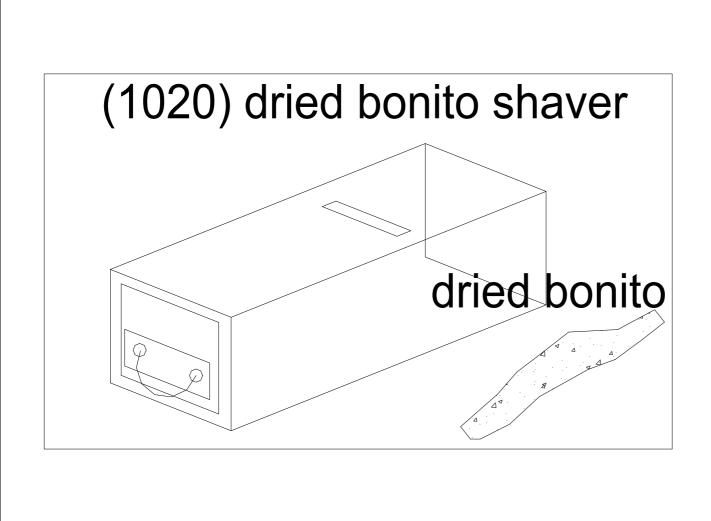
(1017) knife



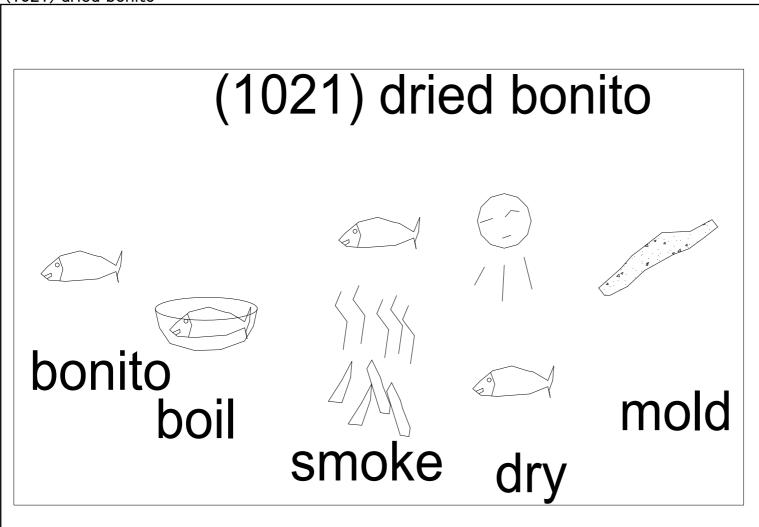
(1018) cutting board (1018) cutting board (1019) water jar

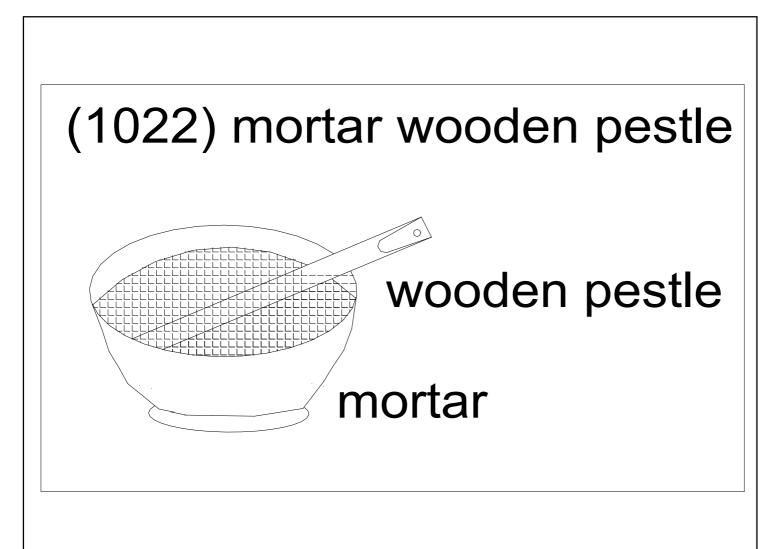


(1020) dried bonito shaver



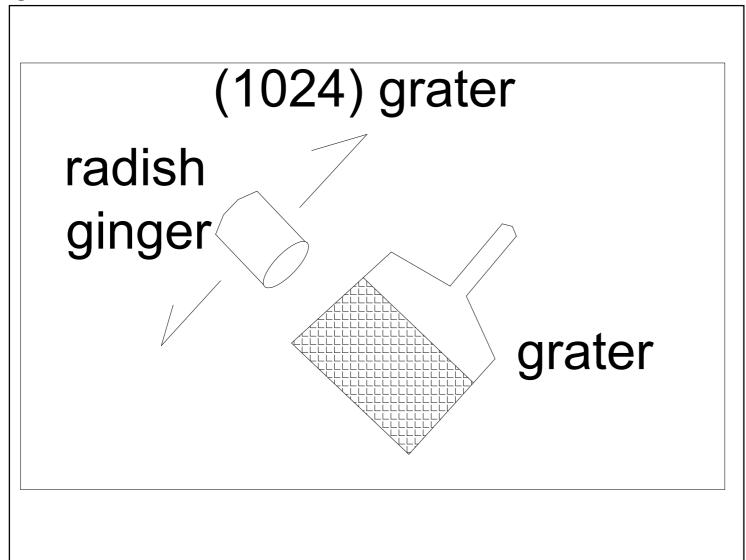
(1021) dried bonito



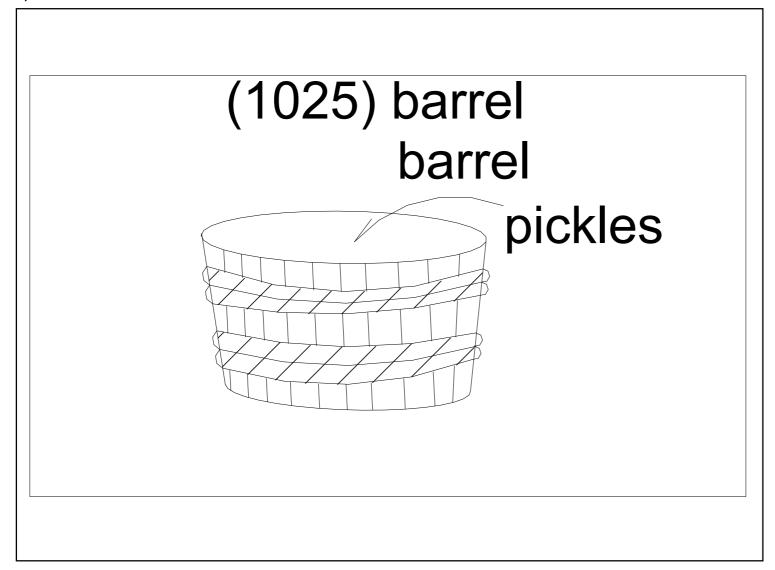


(1023) dipper wooden spoor

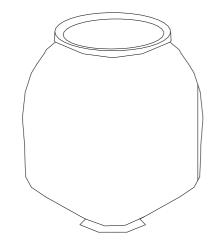
dipper wooden spoon

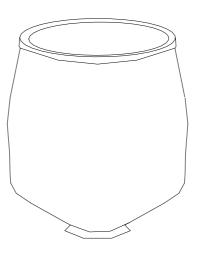


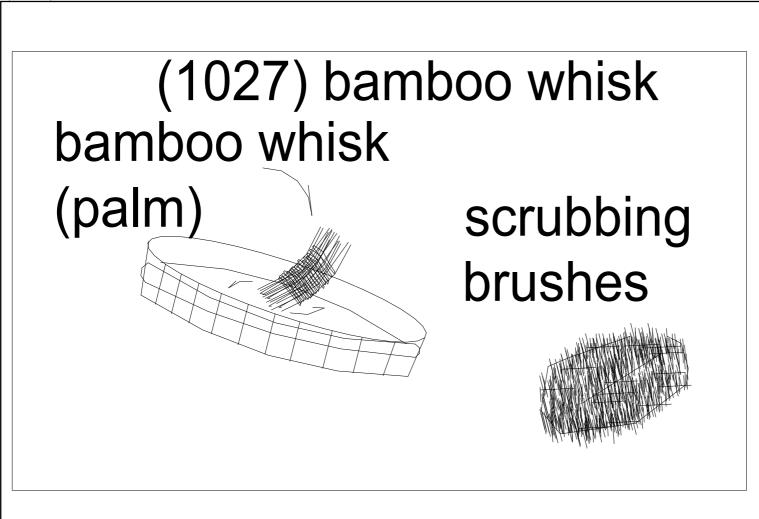
(1025) barrel

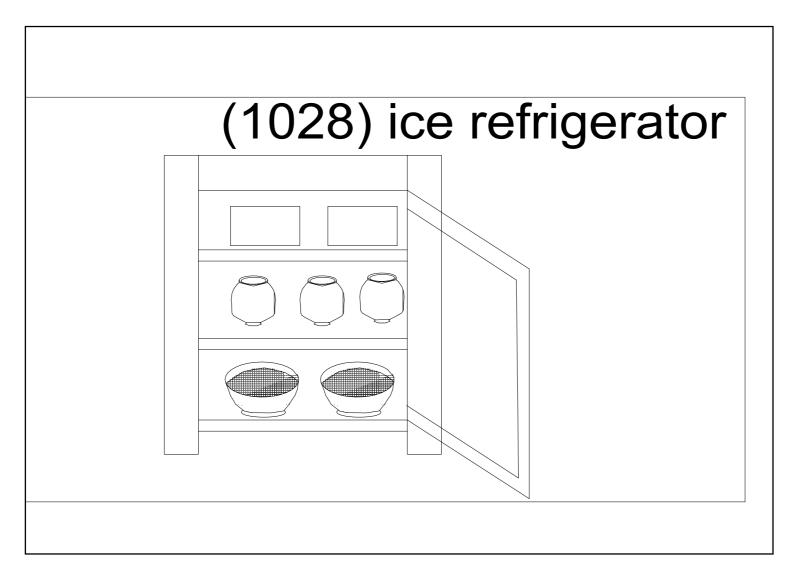


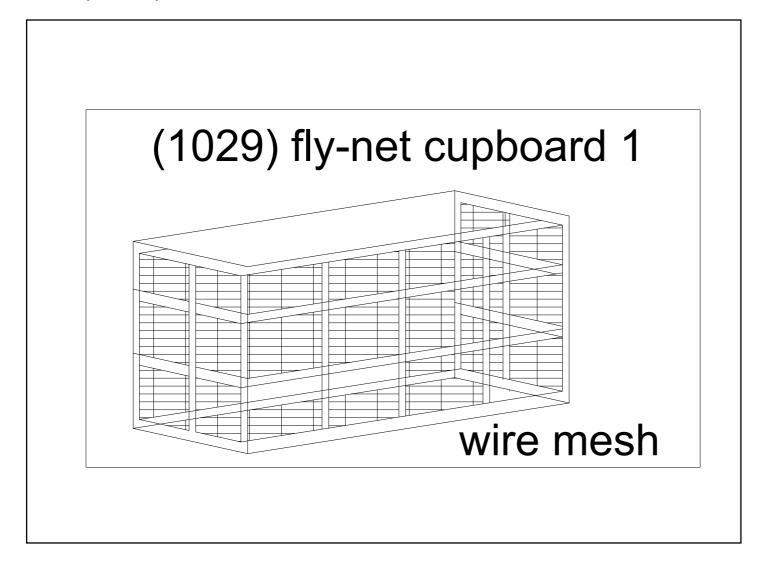
(1026) pot earthenware pot

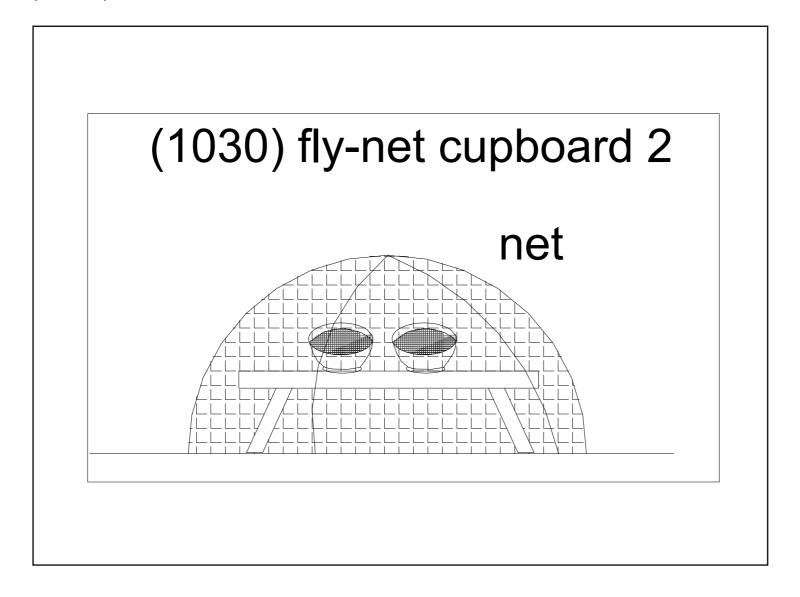


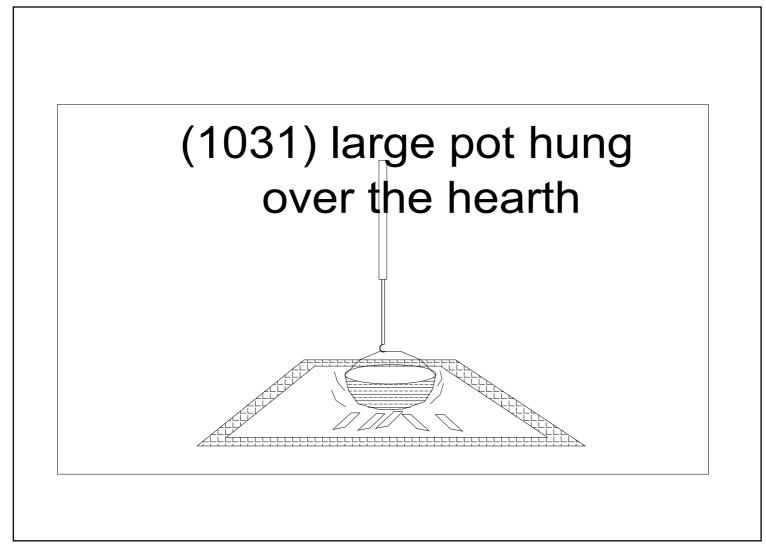












(1032) trivet (set up in a hibachi to support a kettle) (a pair of) tongs ash leveling

(1033) earthenware baking

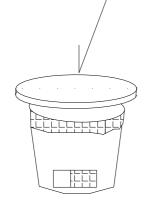
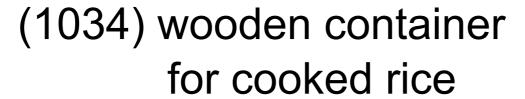
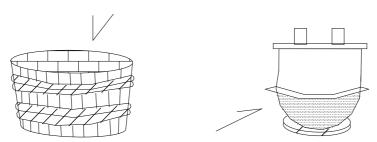


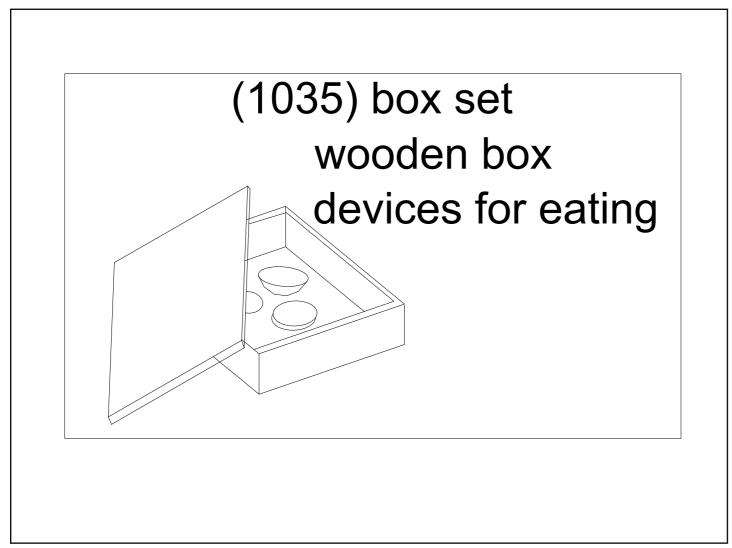
plate terra-cotta (bean sesame)

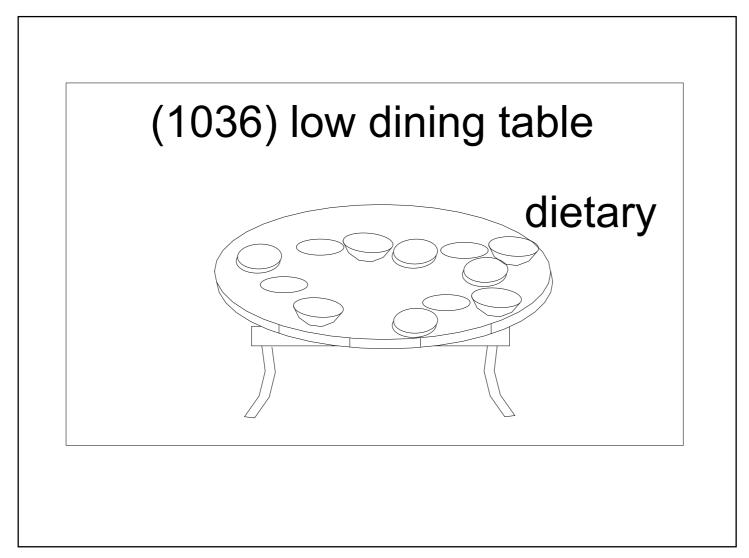


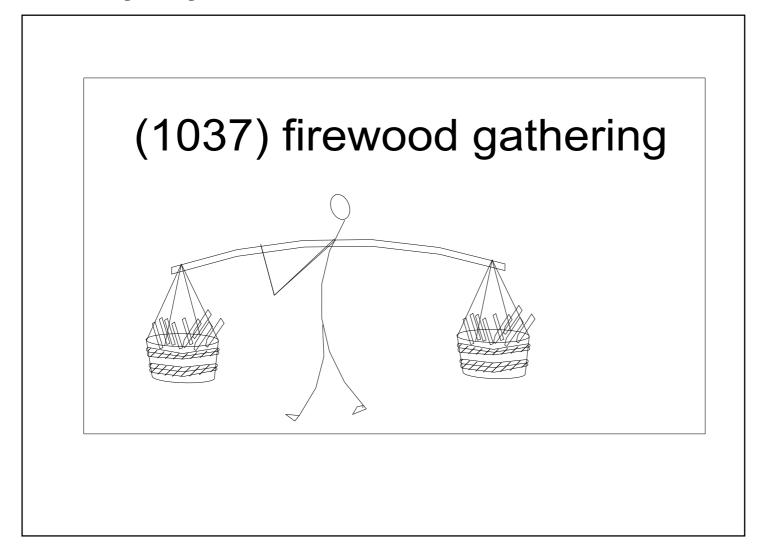


broad-brimmed cooking pot for rice

(1035) box set

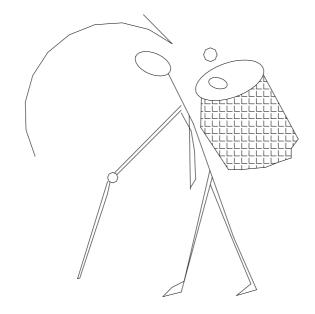




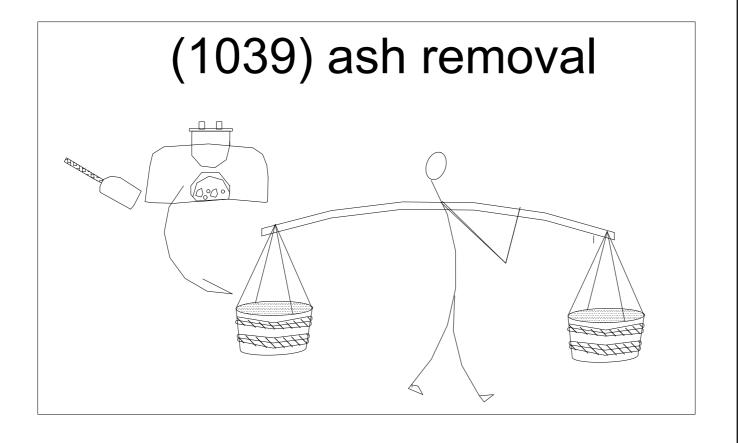


(1038) buying paper scraps

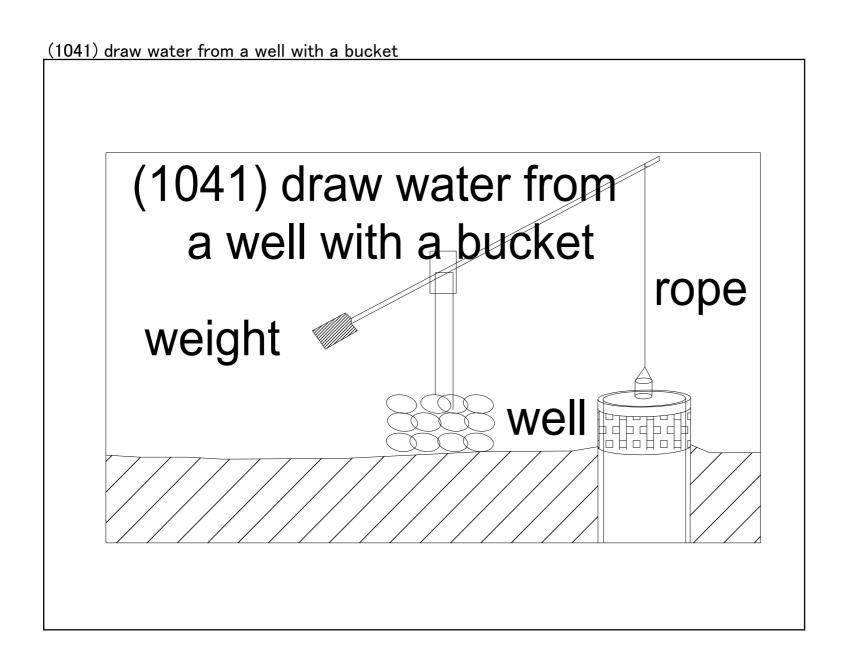
(1038) buying paper scraps



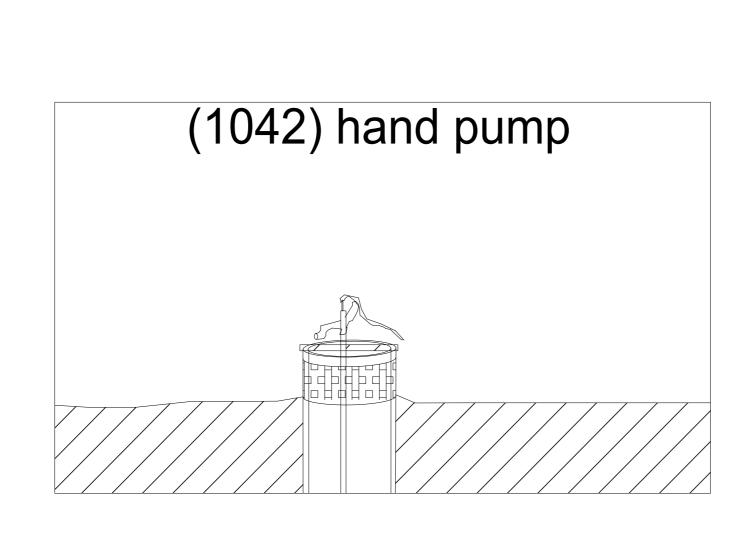
(1039) ash removal



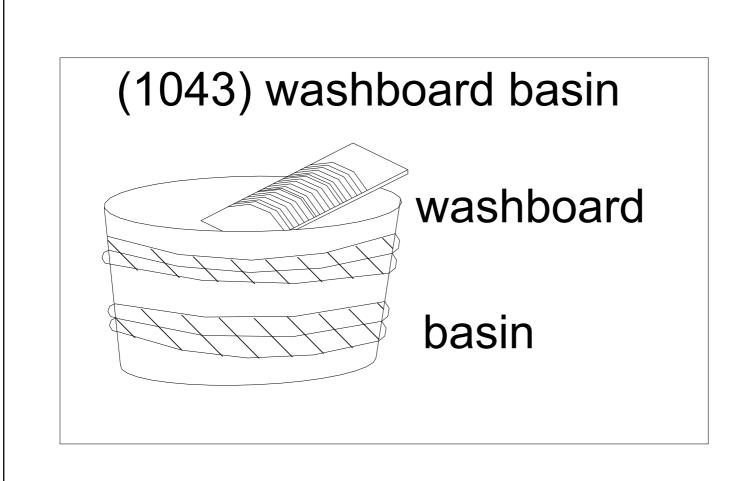
(1040) well pulley (1040) well pulley



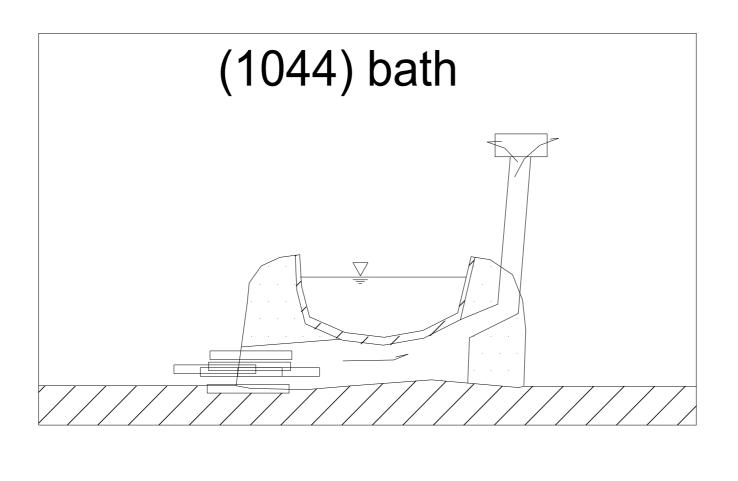
(1042) hand pump



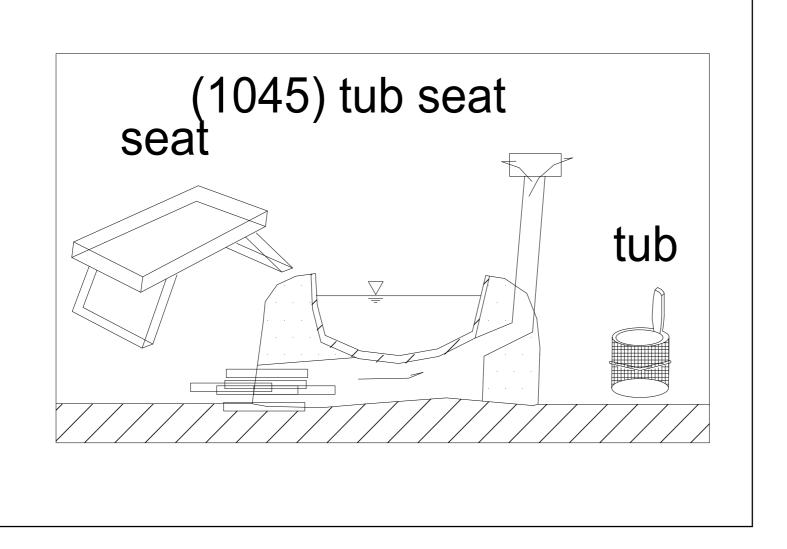
(1043) washboard basin



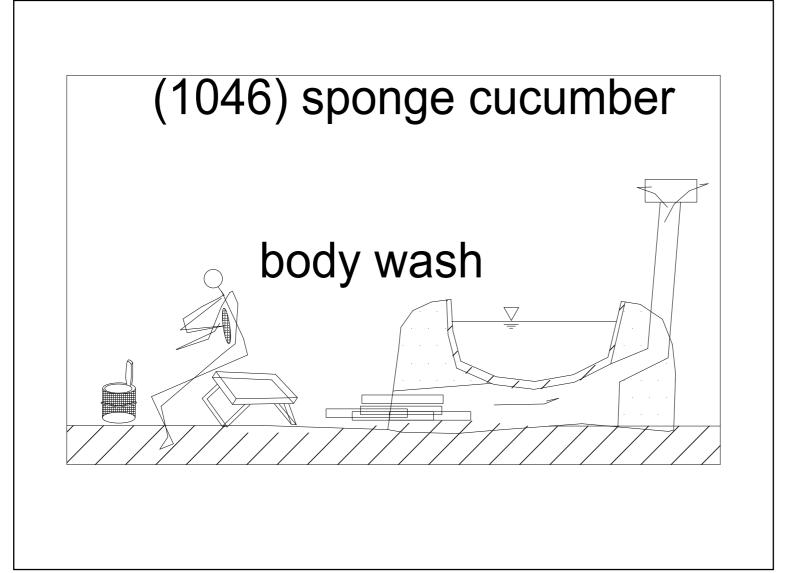
(1044) bath

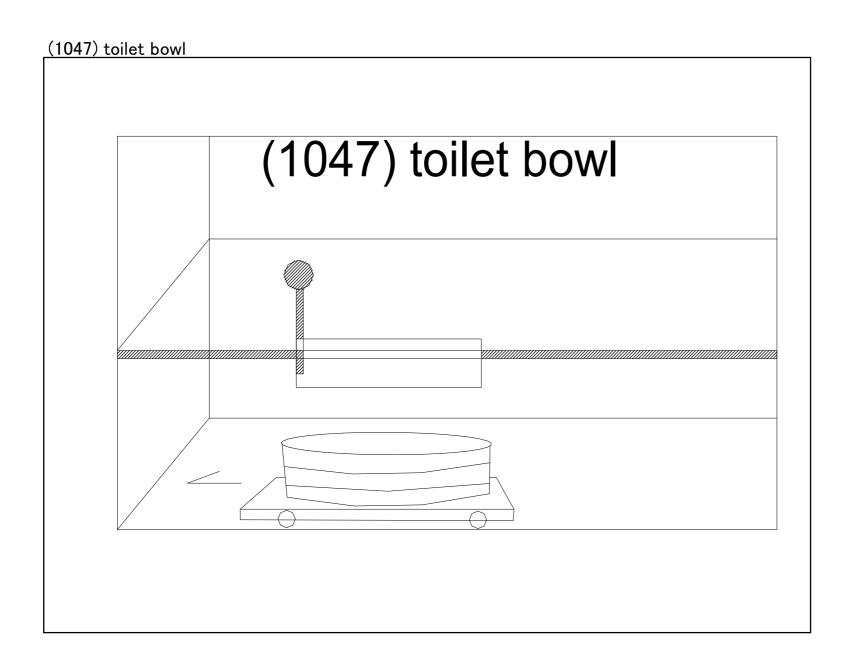


(1045) tub seat

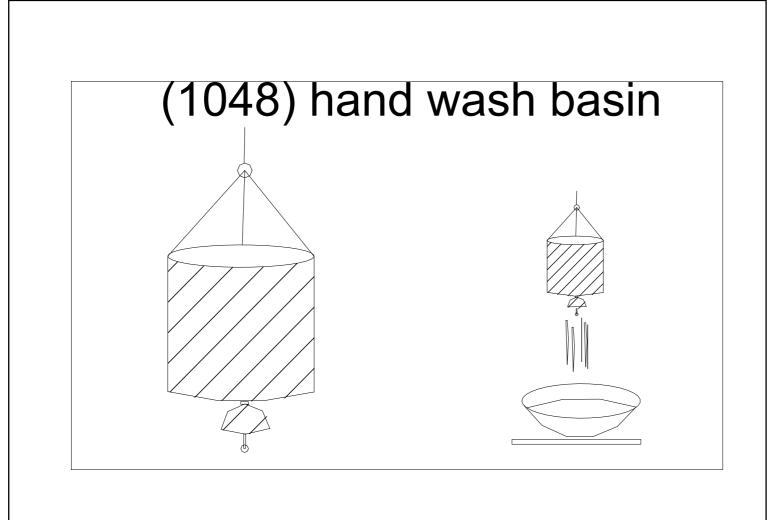


(1046) sponge cucumber

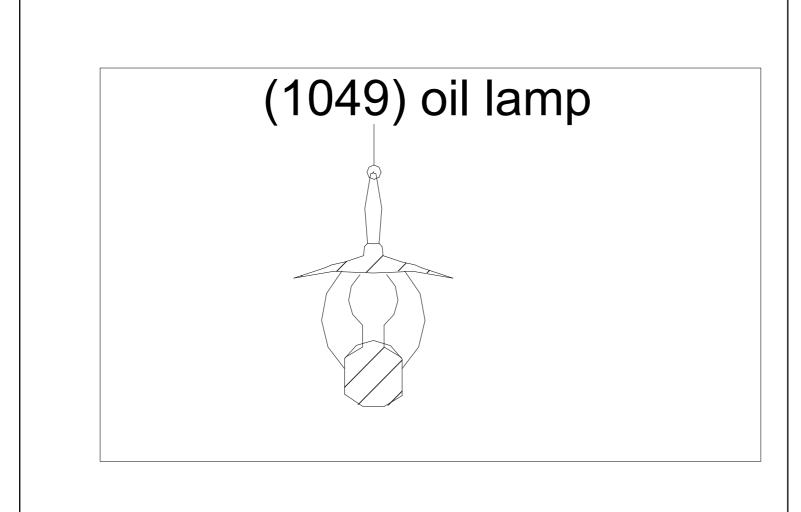




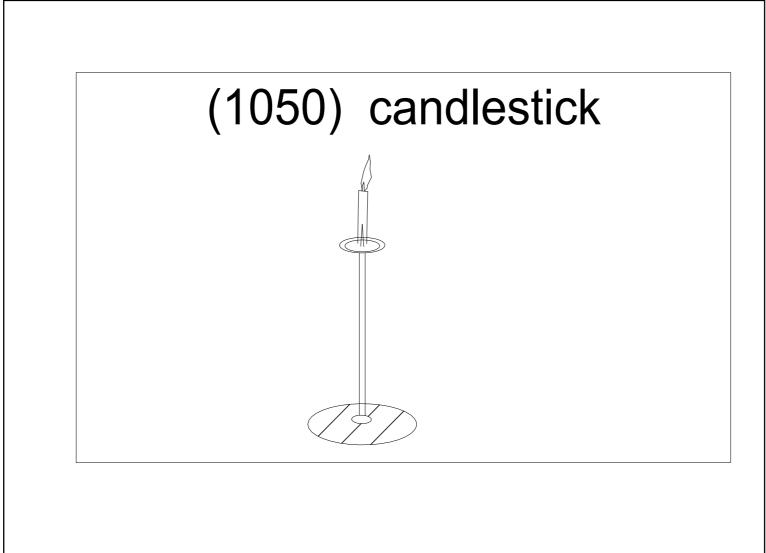
(1048) hand wash basin



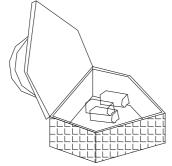
(1049) oil lamp

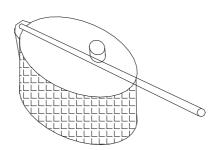


(1050) candlestick

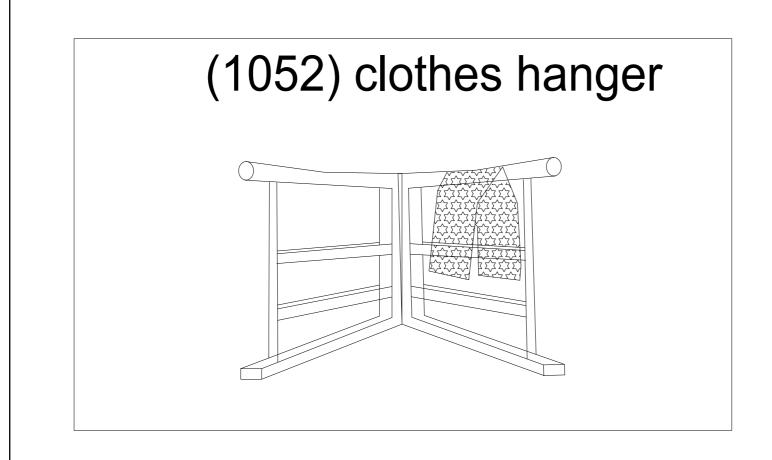


(1051) charcoal iron spray bottle

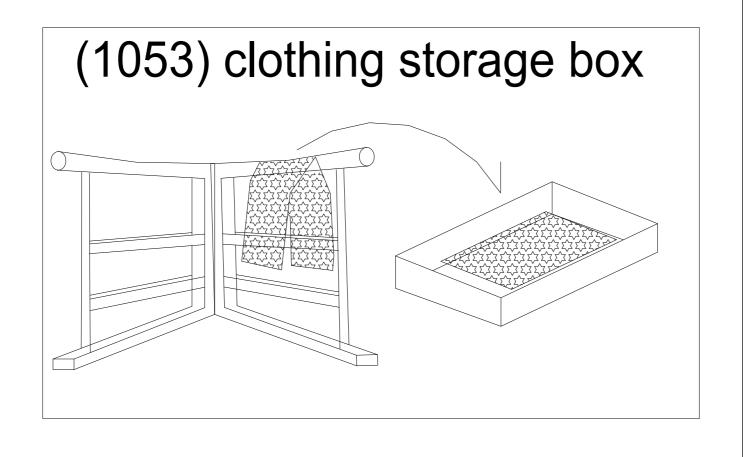


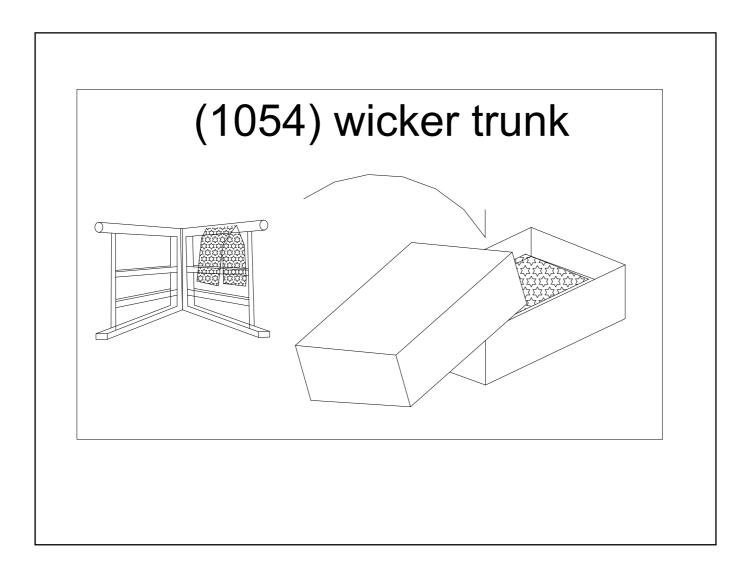


(1052) clothes hanger

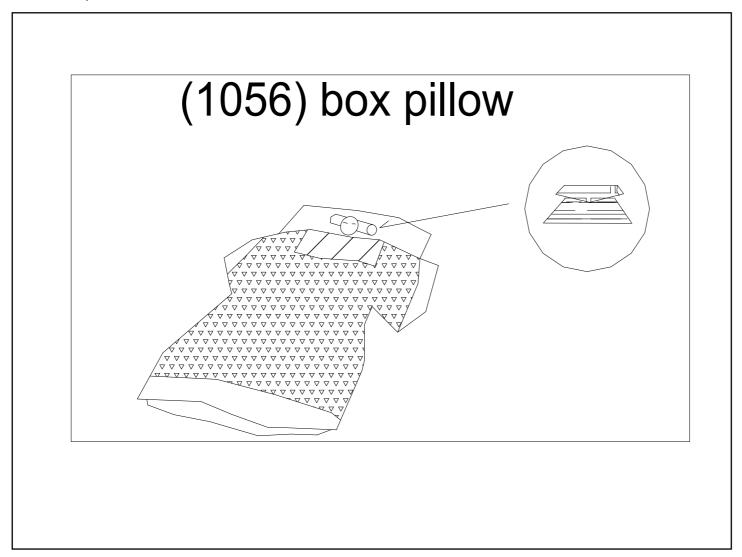


(1053) clothing storage box

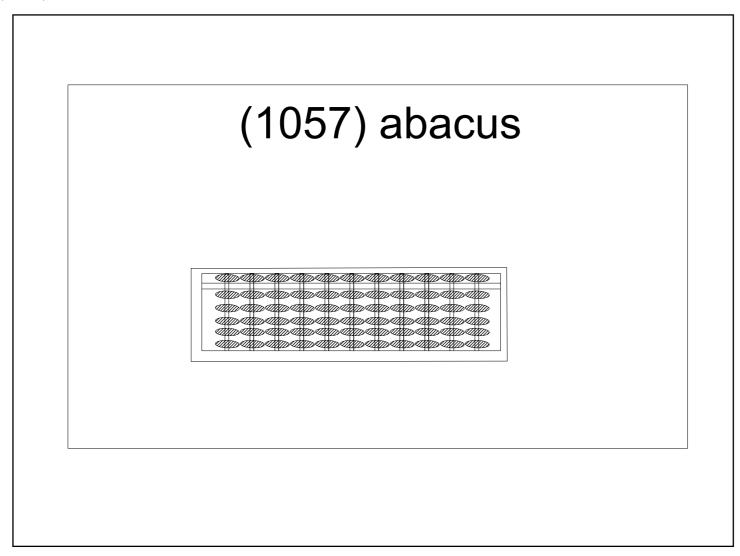




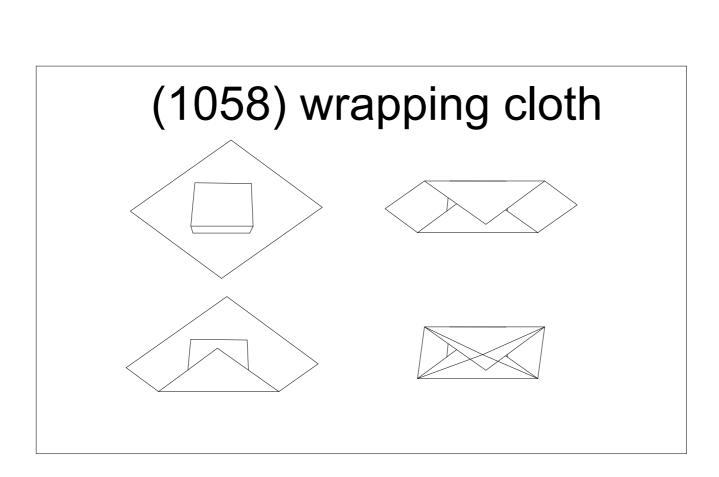




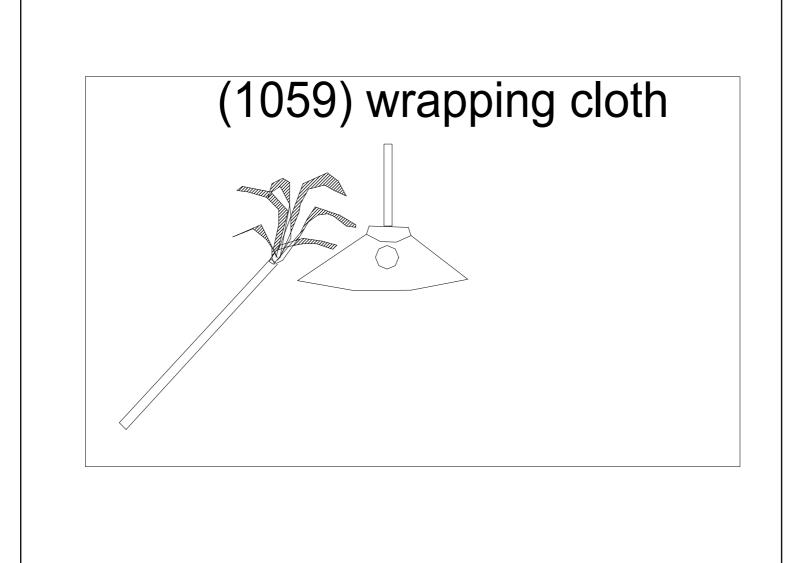
(1057) abacus



(1058) wrapping cloth

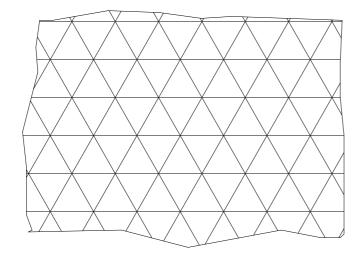


(1059) wrapping cloth



(1060) broom (1060) broom (1061) broom (1061) broom (1062) cleaning cloth

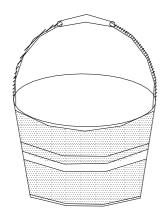
(1062) cleaning cloth

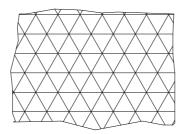


old cloth

(1063) bucket

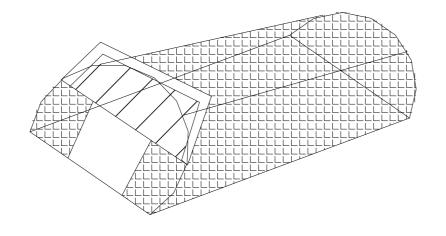
(1063) bucket





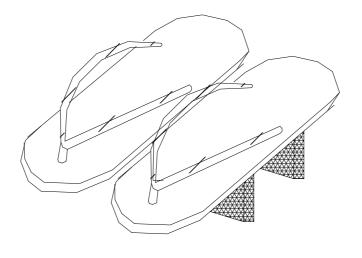
(1064) mousetrap

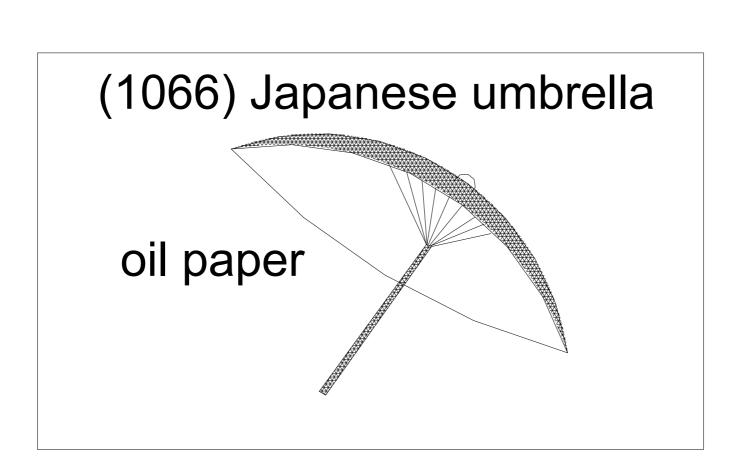
(1064) mousetrap



(1065) wooden sandals

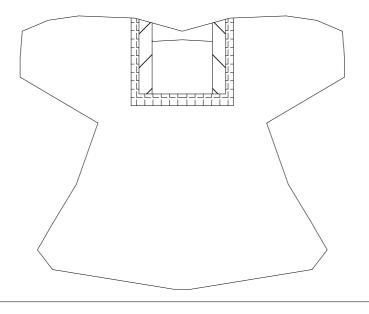
(1065) wooden sandals





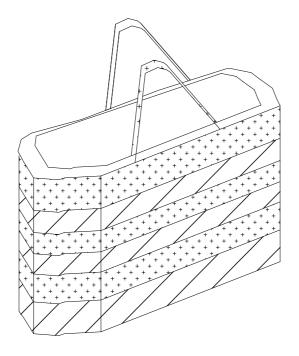
(1067) cook's apron

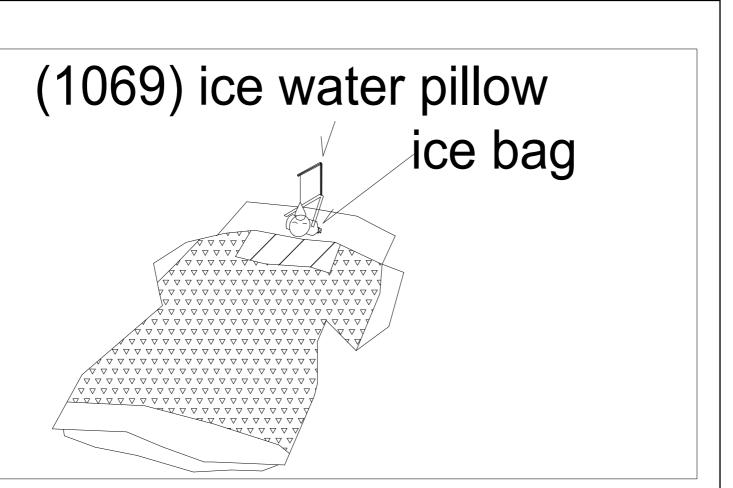
(1067) cook's apron



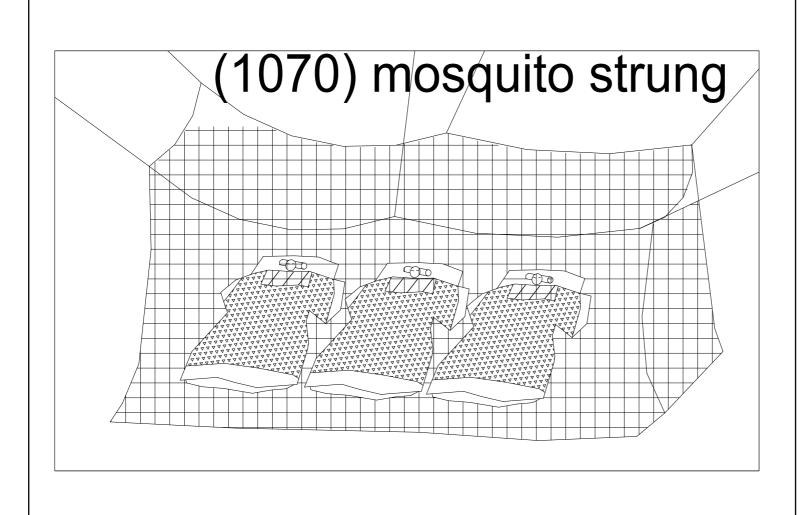
(1068) shopping basket

(1068) shopping basket

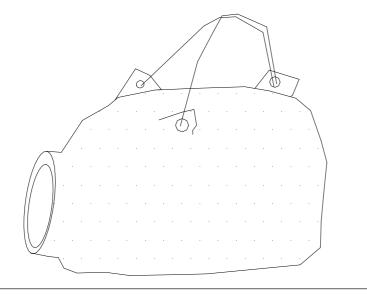


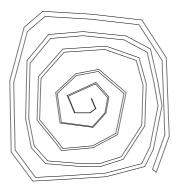


(1070) mosquito strung



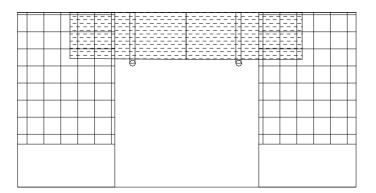
(1071) mosquito repellent mosquito coil

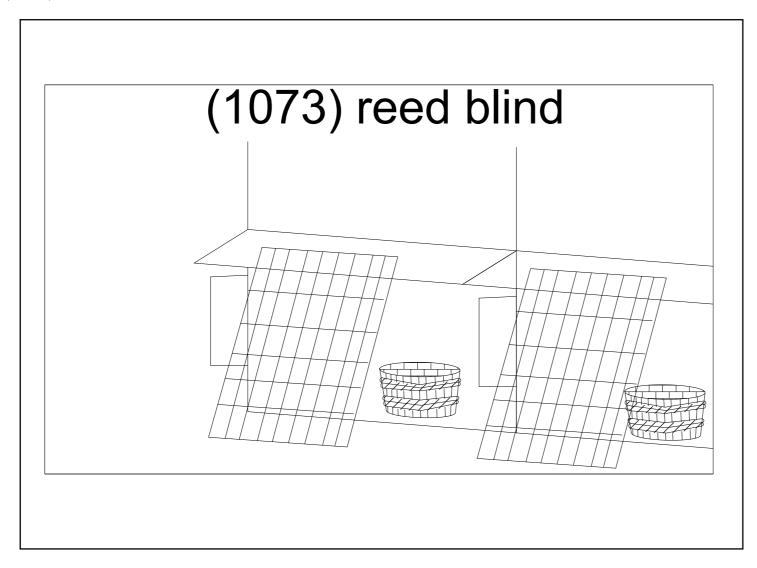


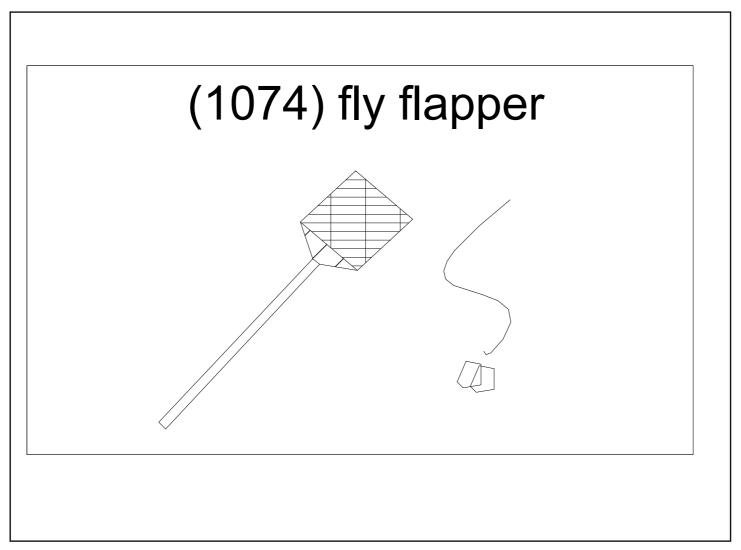


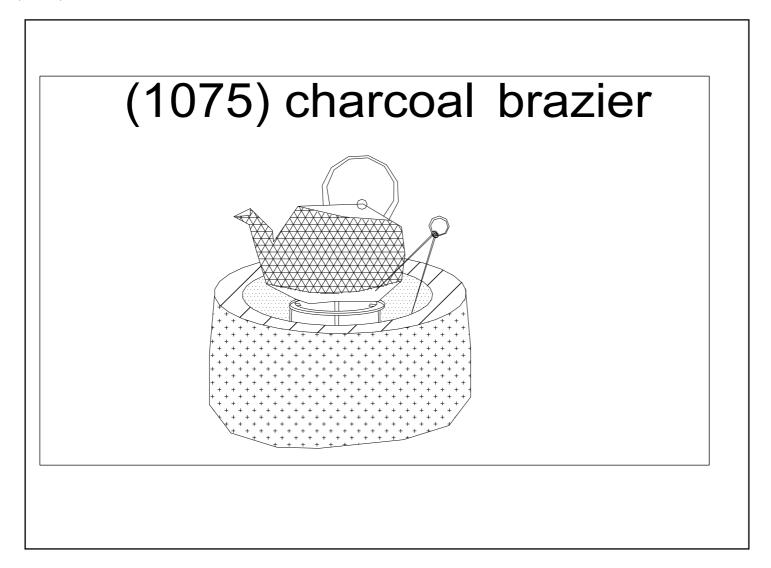
(1072) reed screen

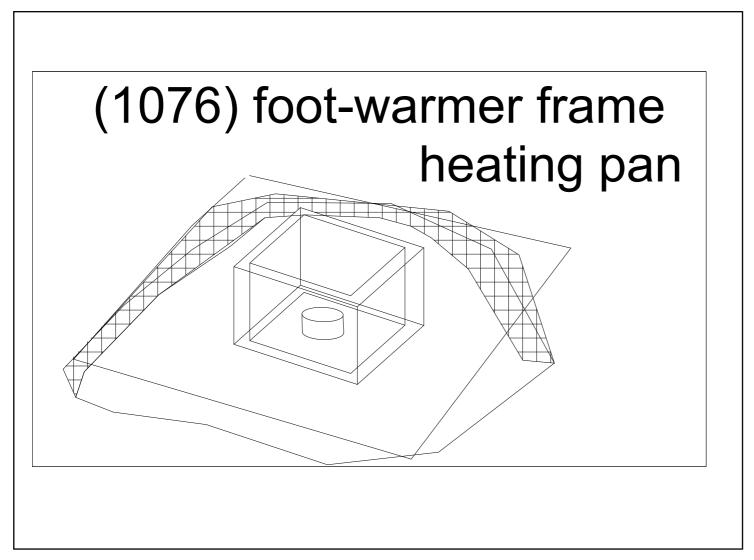
(1072) reed screen

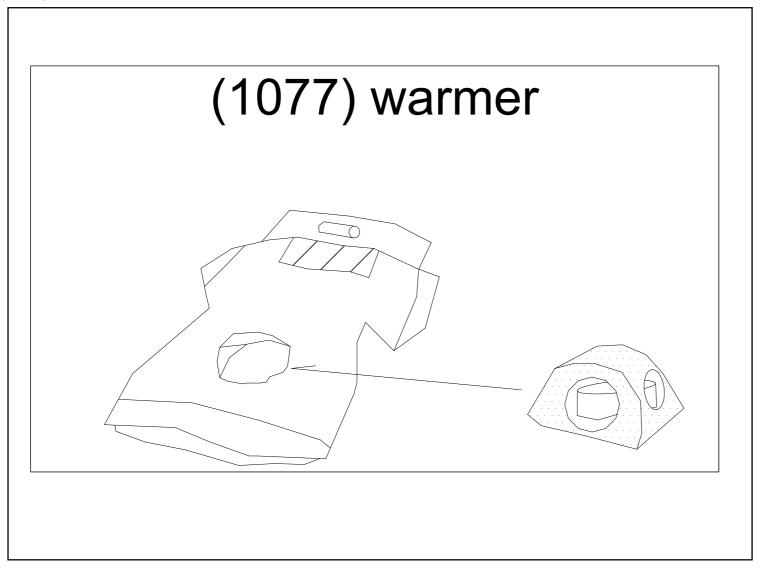


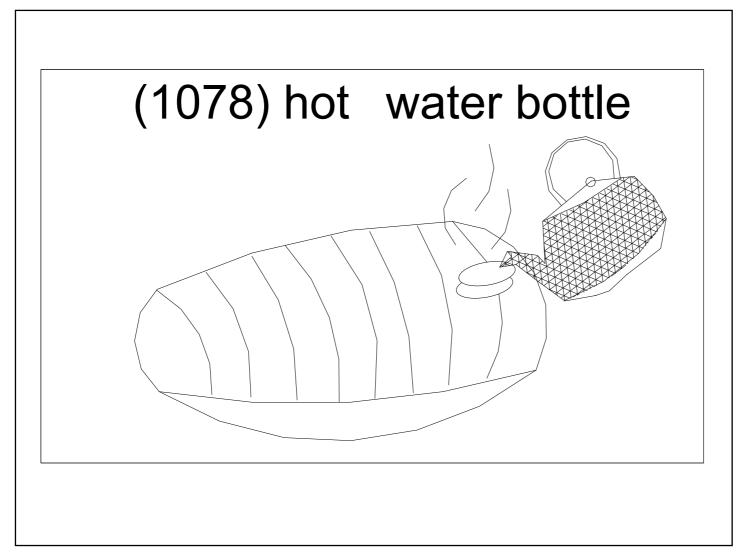


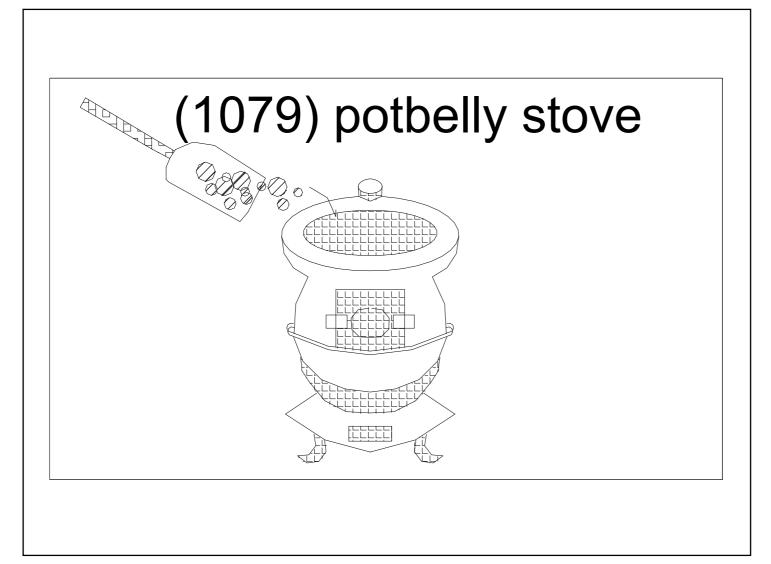




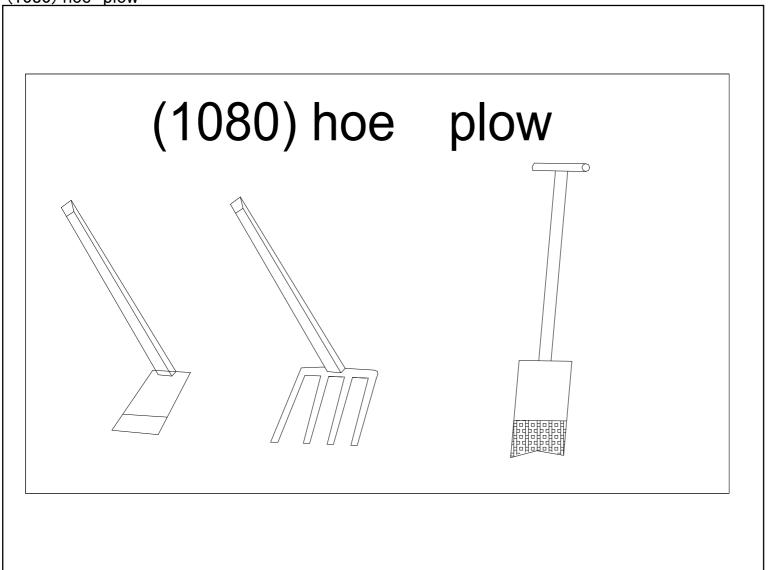






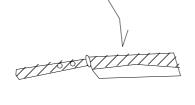


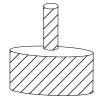
(1080) hoe plow



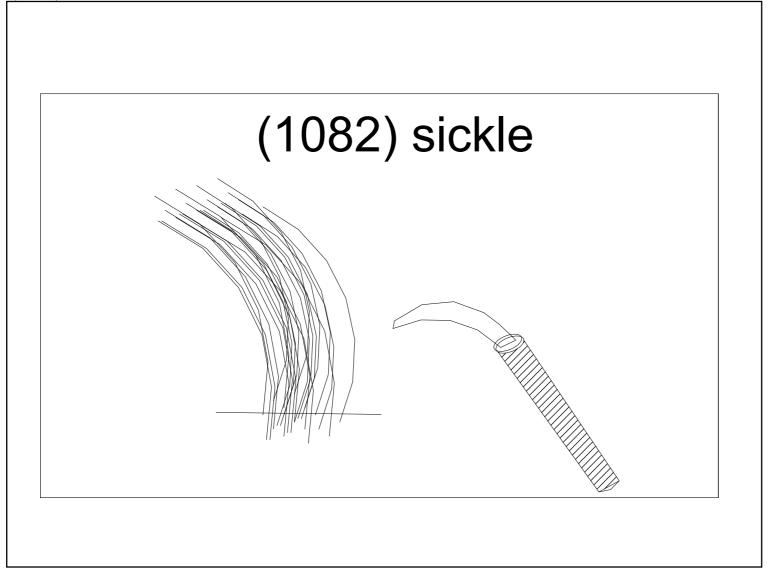
(1081) hatchet

(1081) hatchet

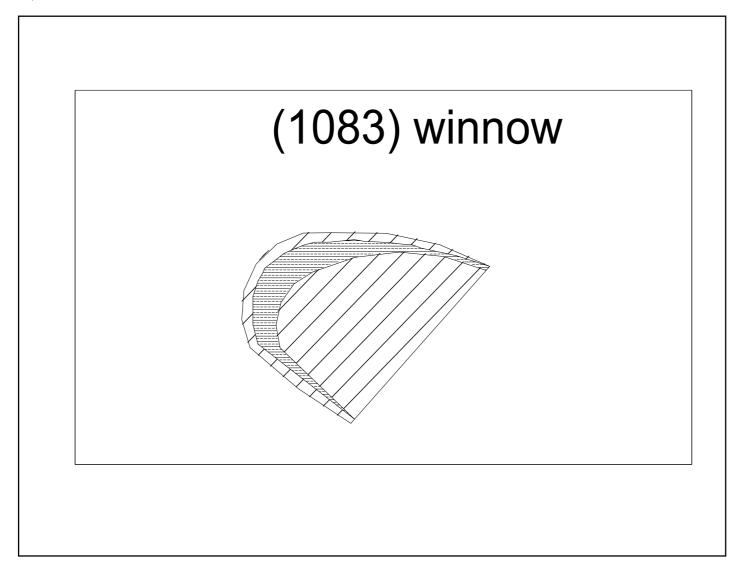


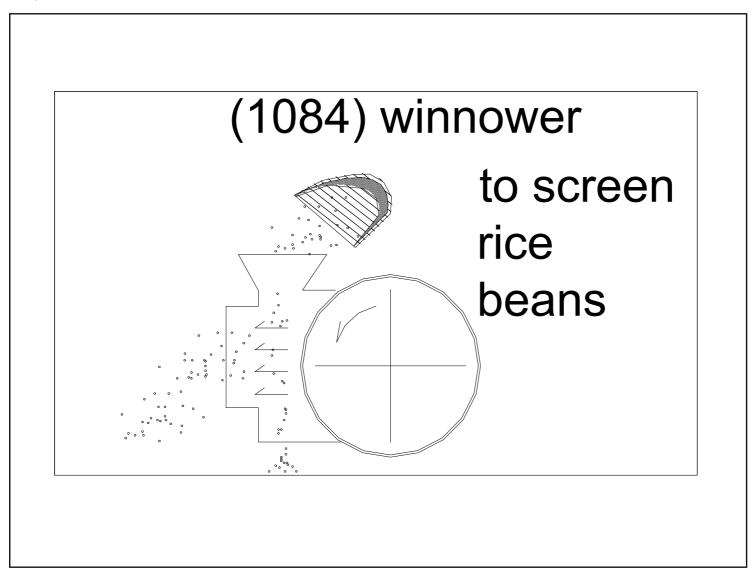


(1082) sickle

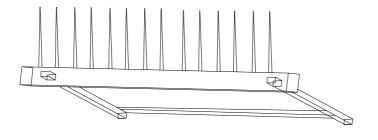


(1083) winnow



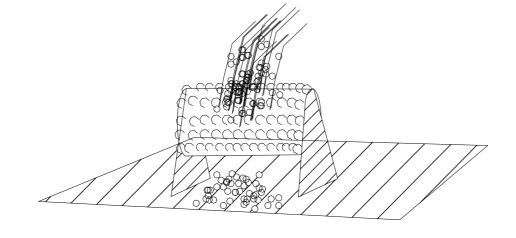


(1085) hand threshing

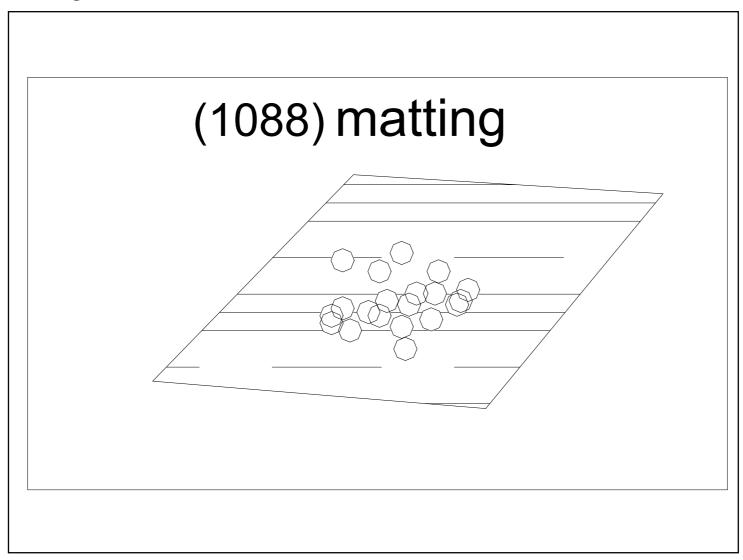


(1086) hand threshing

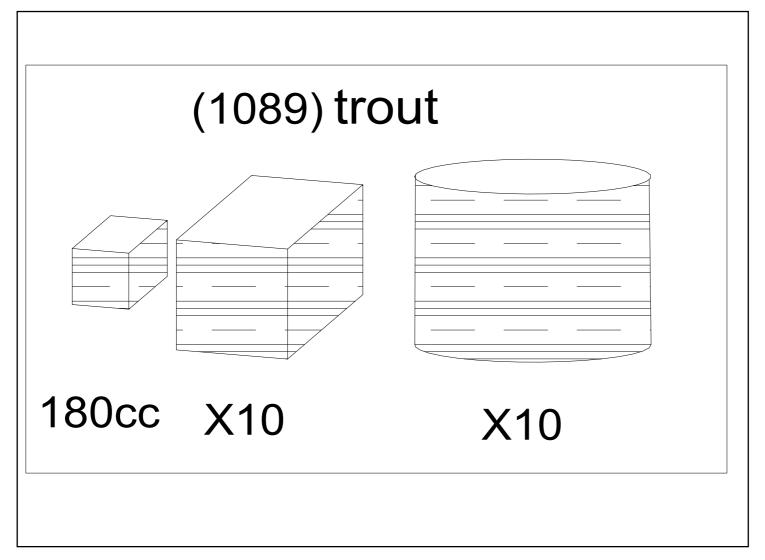
(1087) grain threshing machine

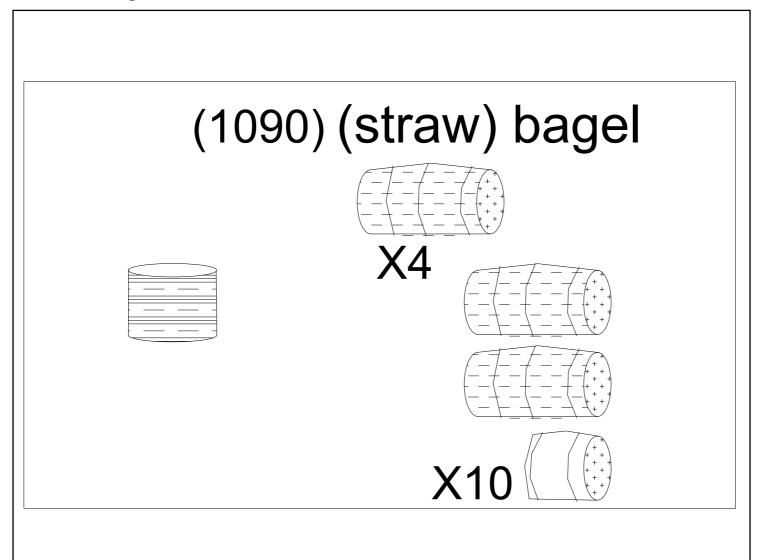


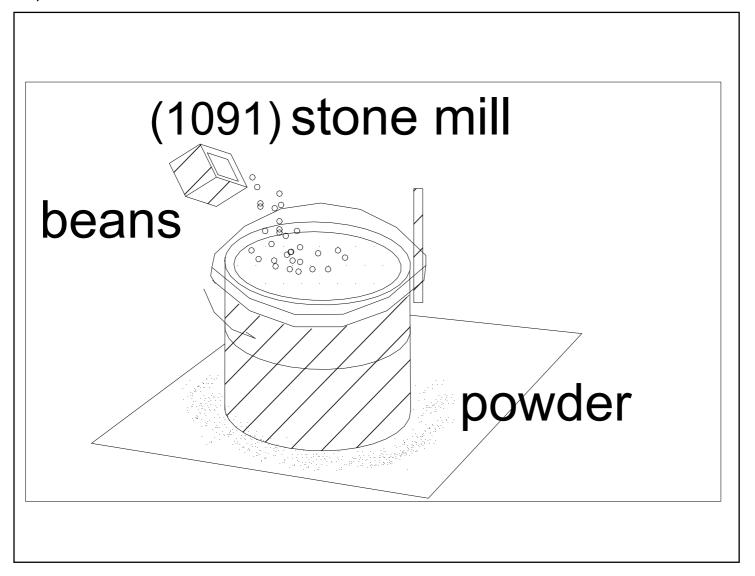
(1088) matting

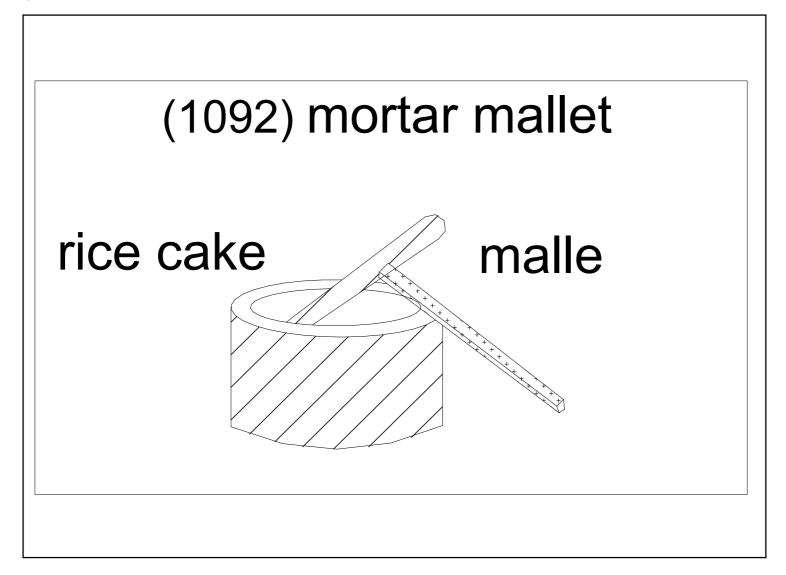


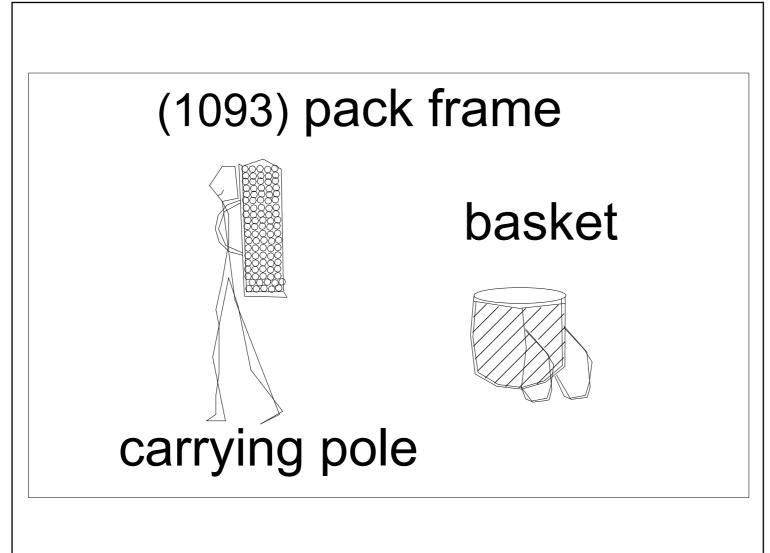
(1089) trout

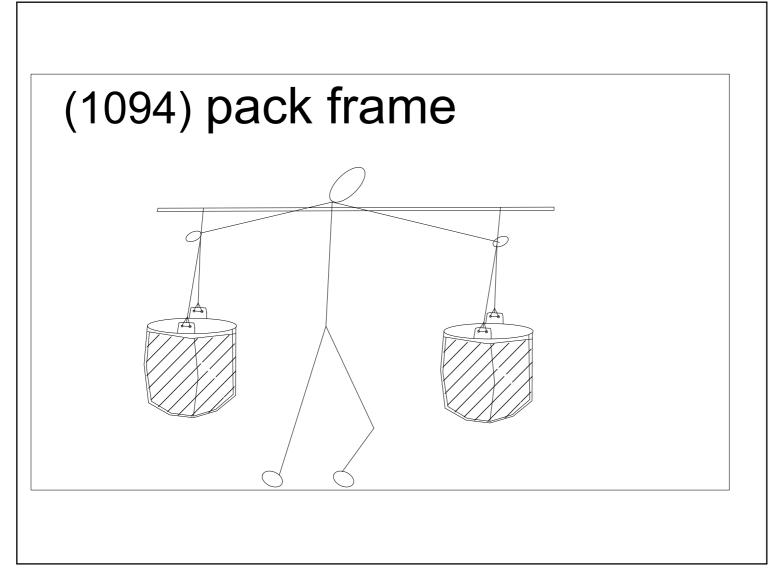




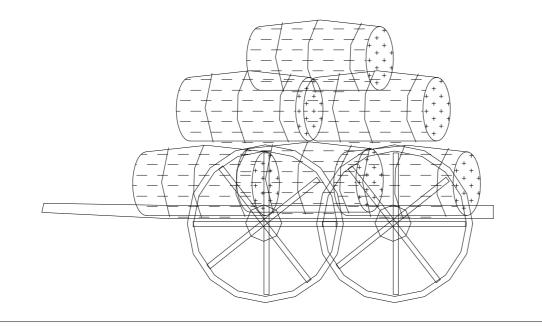




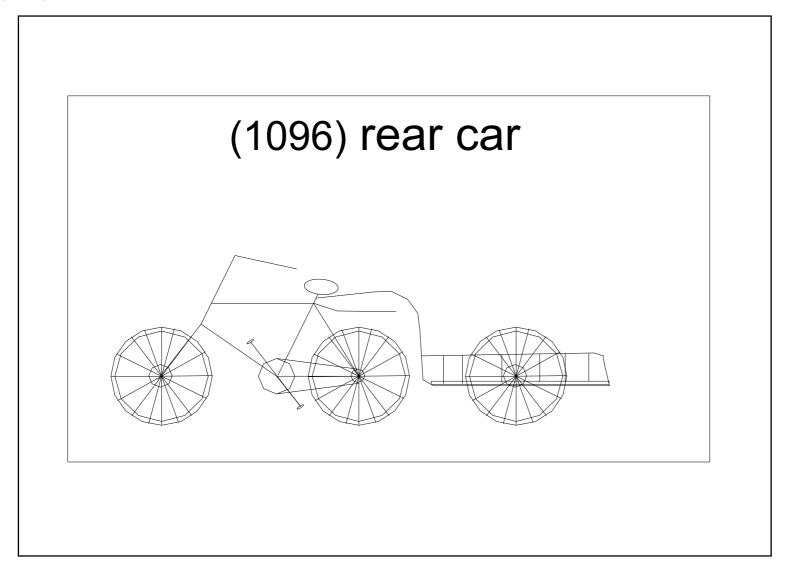


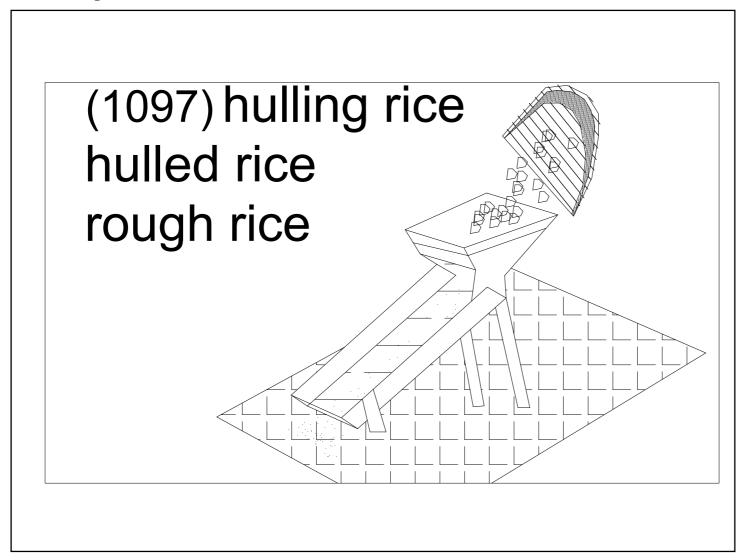


(1095) large hand drawn cart

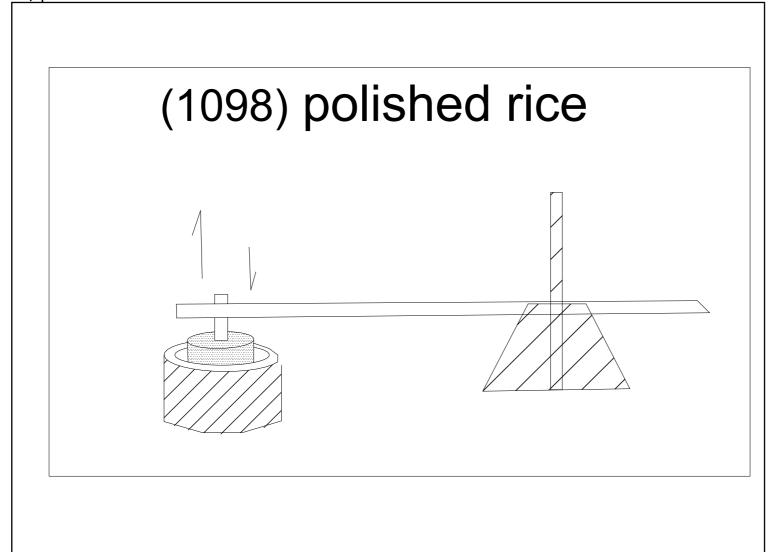


(1096) rea rcar

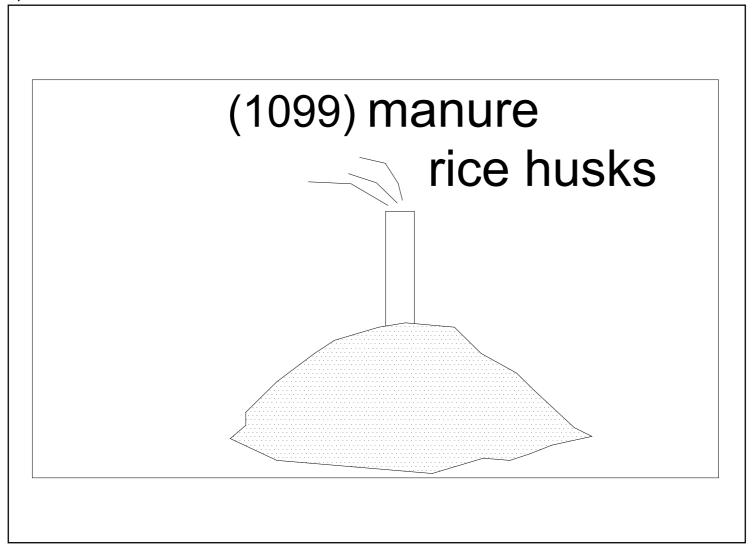


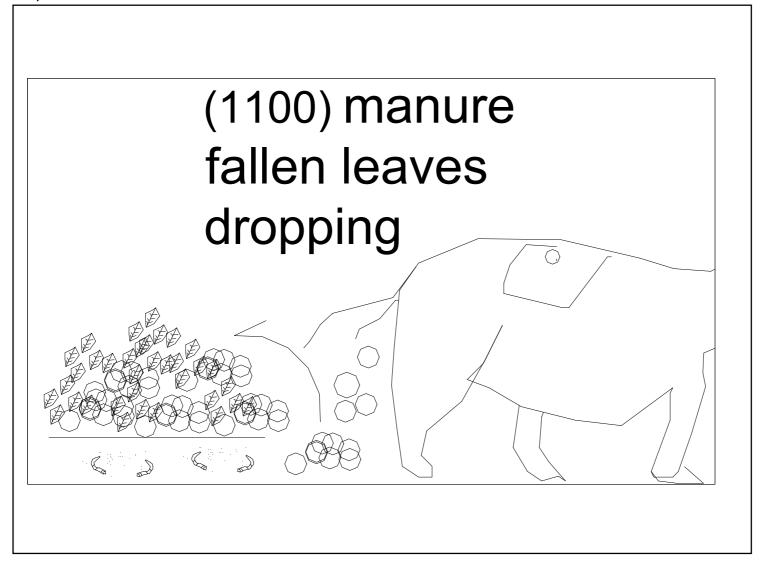


(1098) polished rice



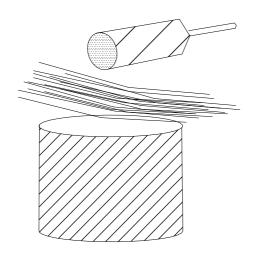
(1099) manure





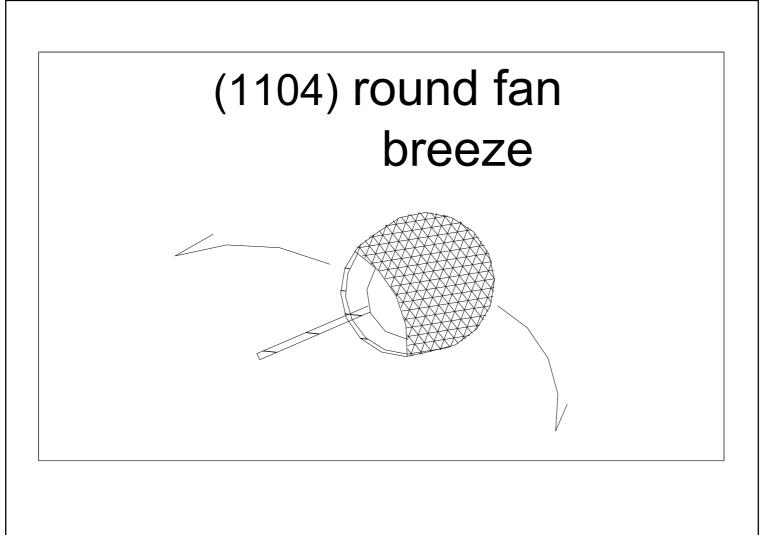
(1101) straw damper

(1101) straw damper

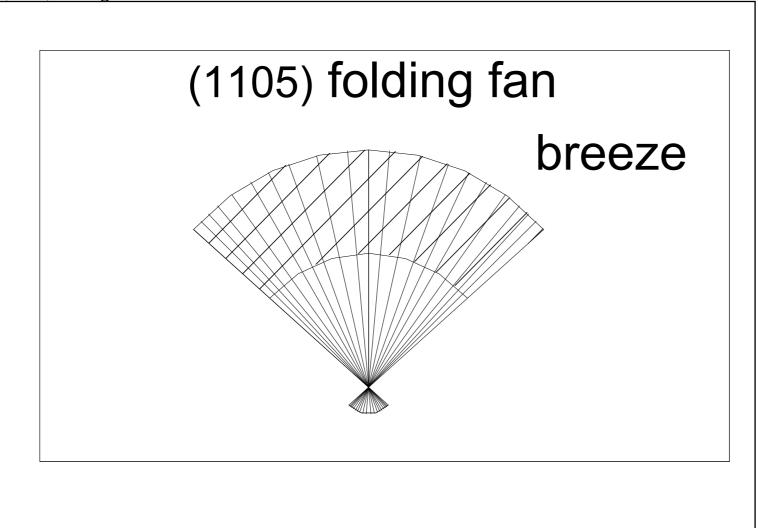


(1102) straw damper (1102) straw damper (1103) straw damper (1103) straw damper candle

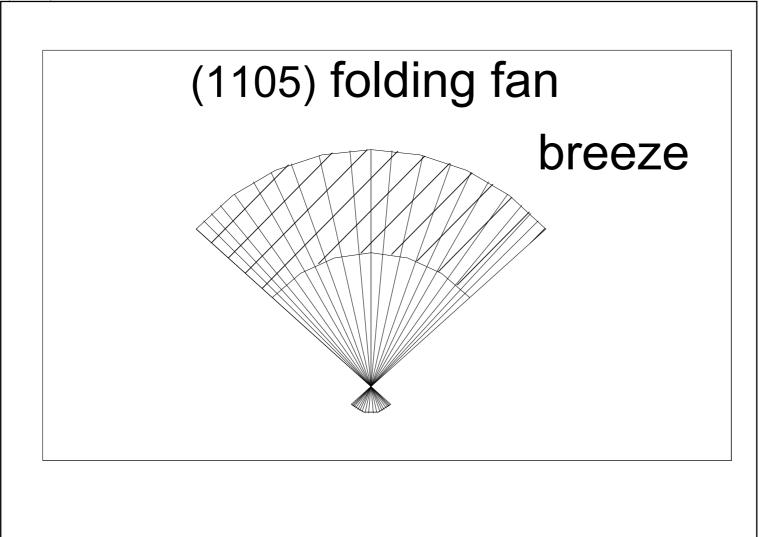
(1104) round fan



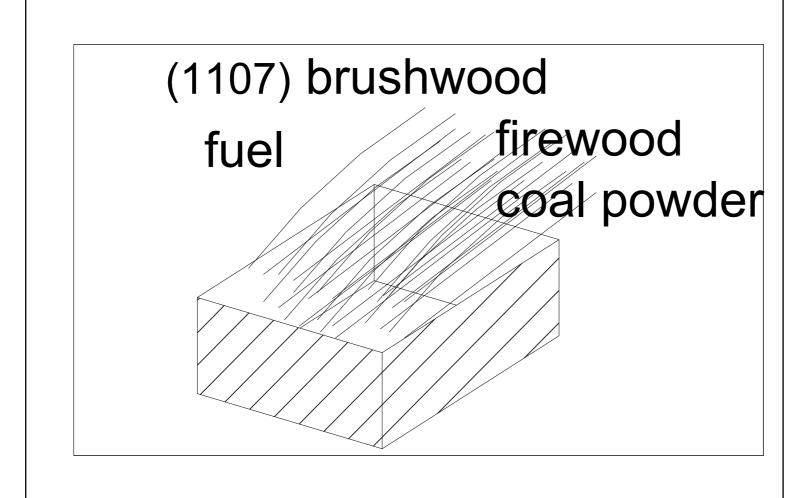
(1105) folding fan



(1106) firewood

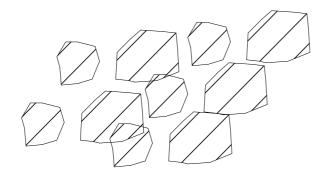


(1107) brushwood

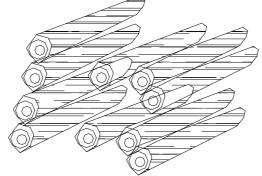


(1108) charcoal briquette

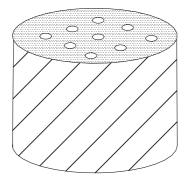
(1108) charcoal briquette coal powder +seaweed gliopeltis



(1109) reduce wood to charcoal fuel



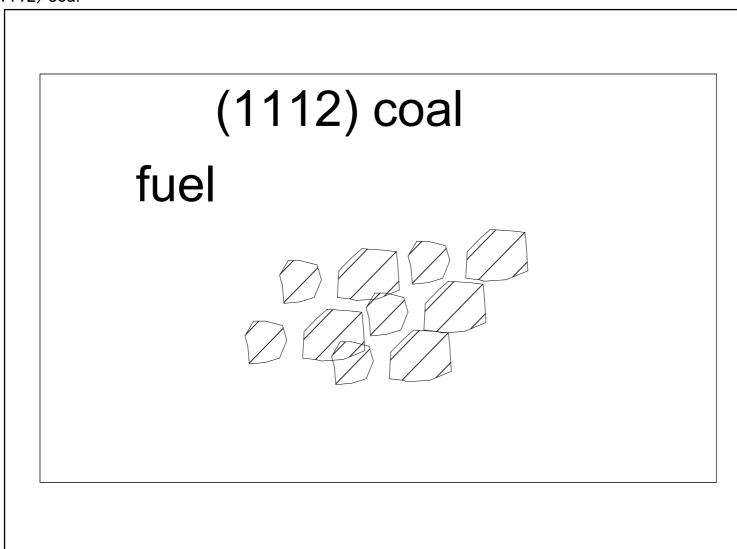
(1110) briquette
fuel coal powder +
seaweed gliopeltis



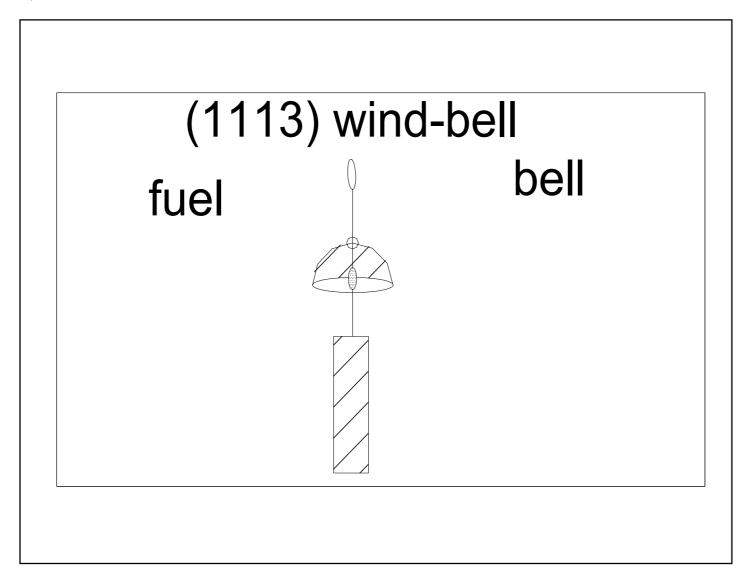
(1111) small round charcoal briquette coal powder + seaweed gliopeltis

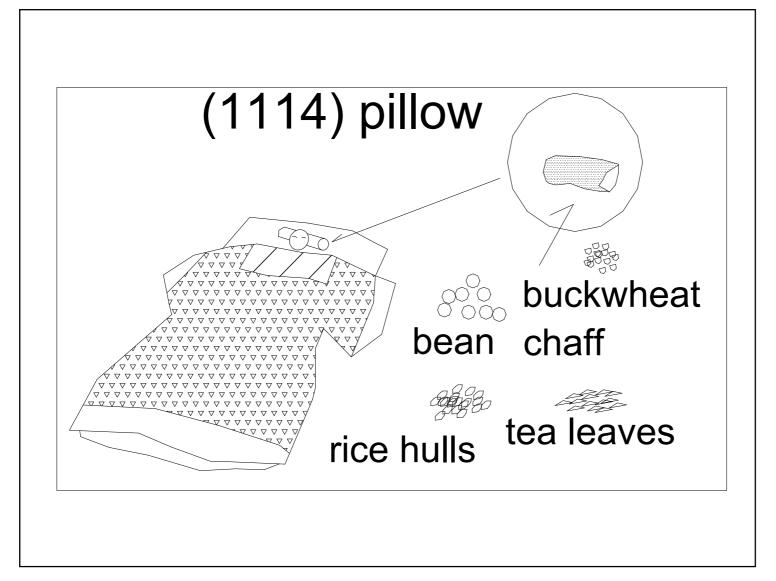
fuel

(1112) coal

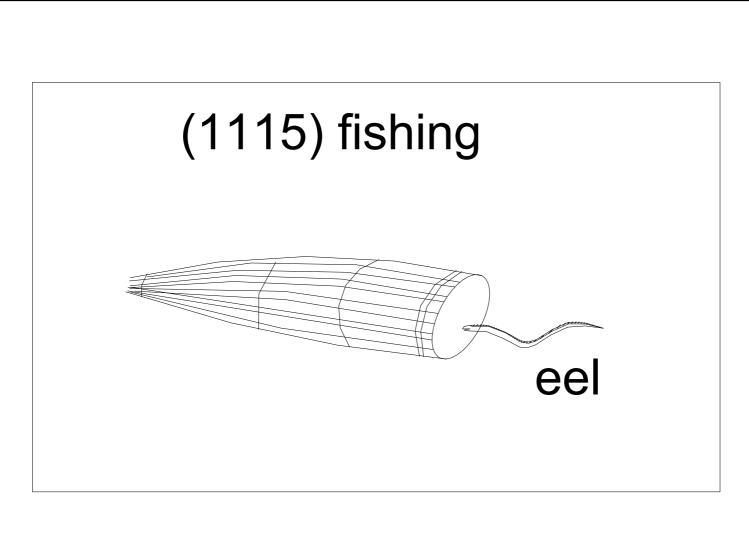


(1113) wind-bell

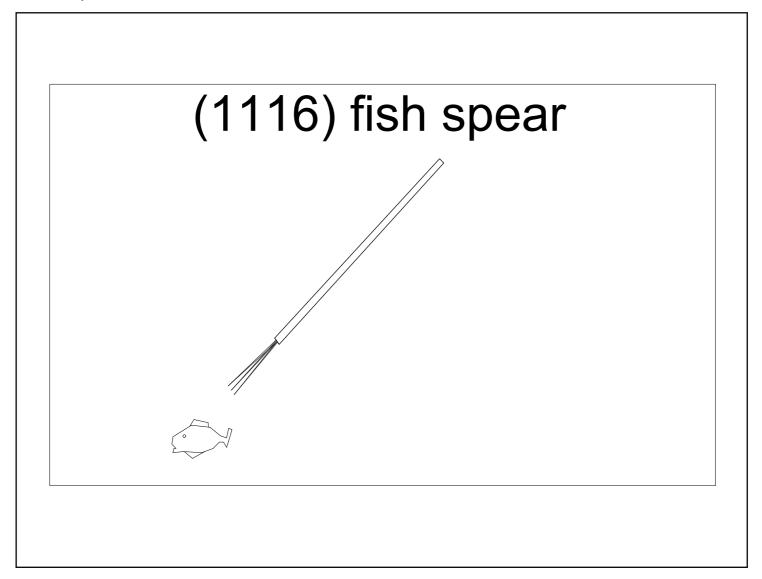


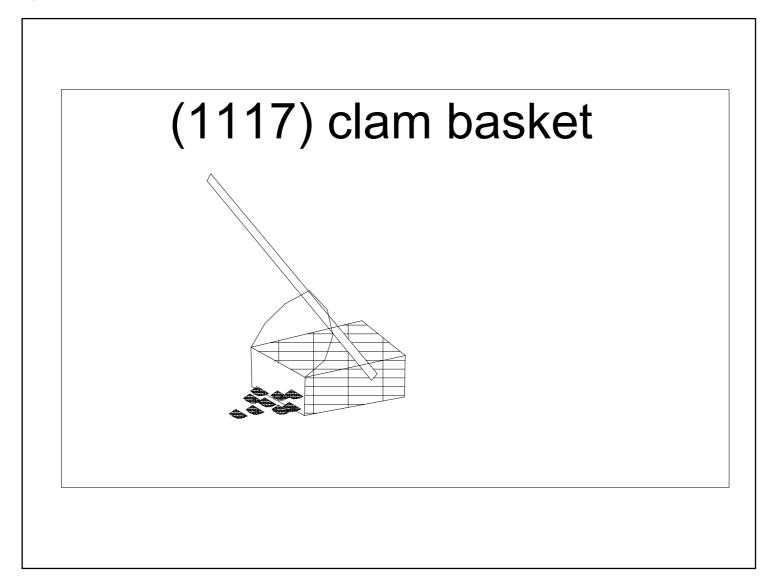


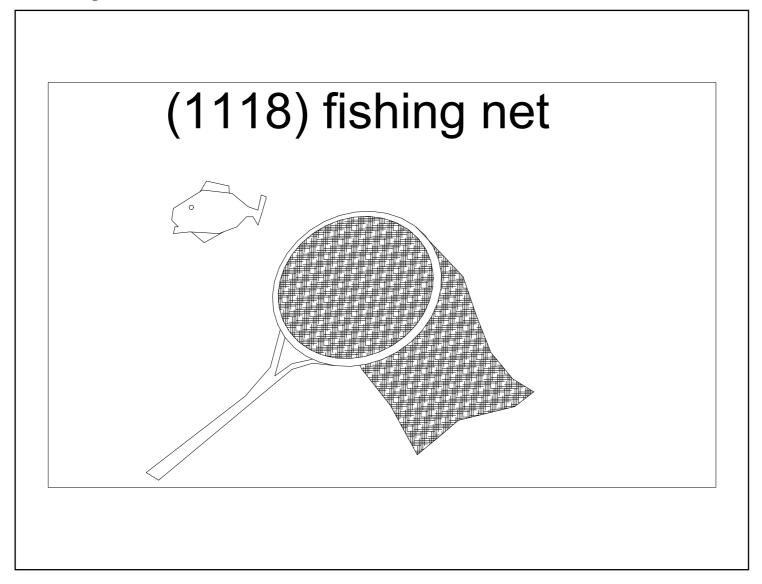
(1115) fishing

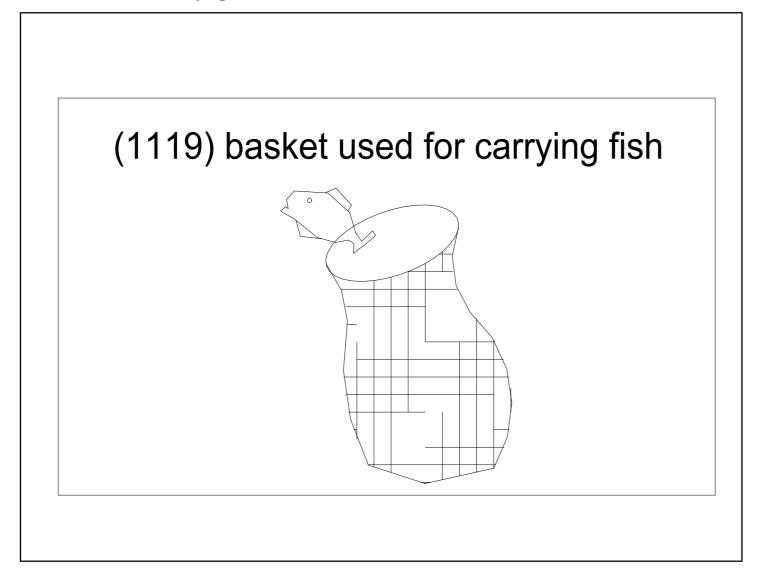


(1116) fish spear

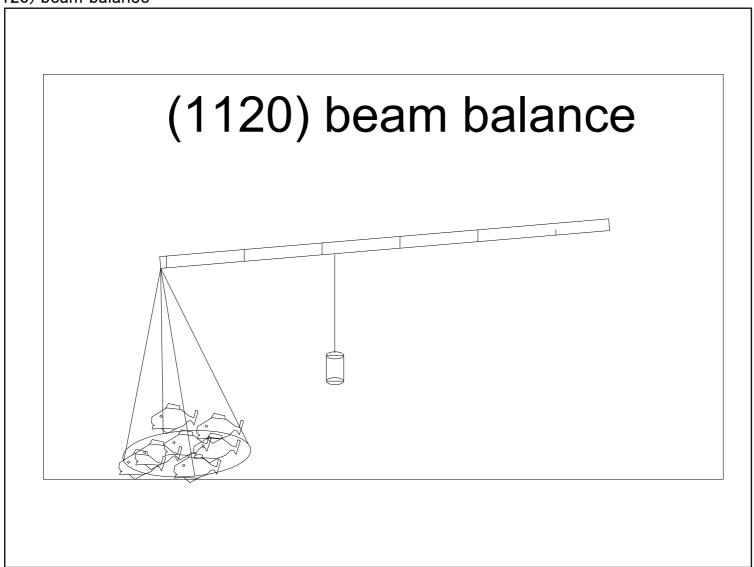


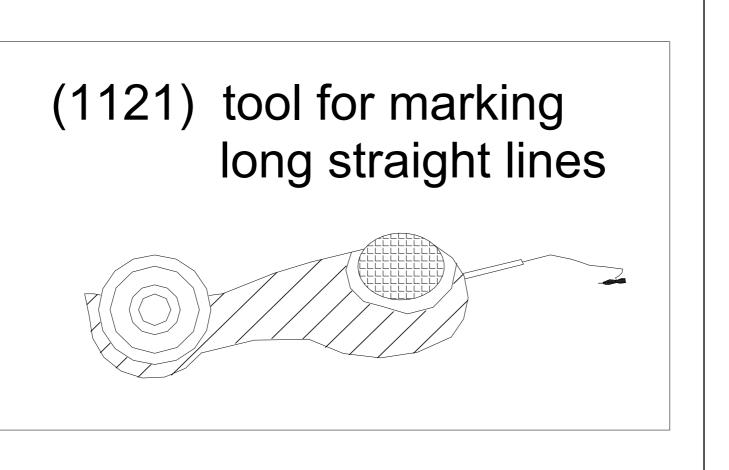




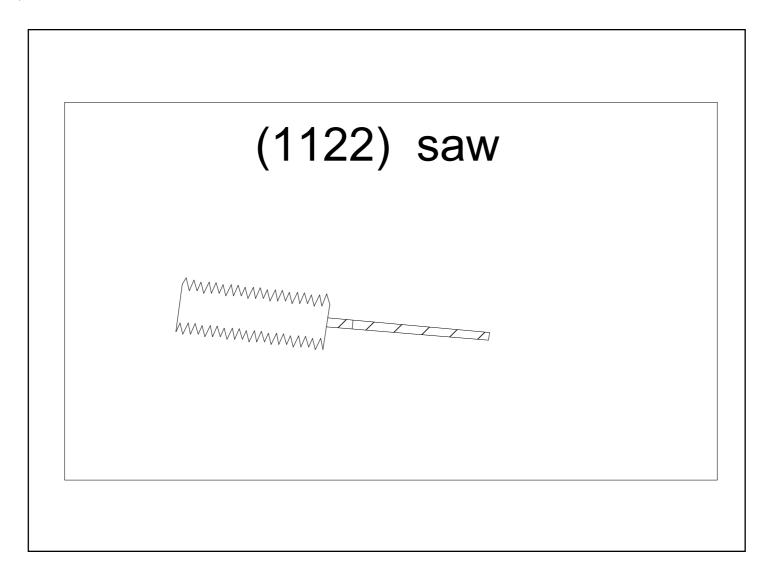


(1120) beam balance



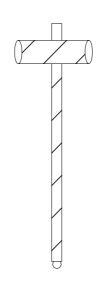


(1122) saw

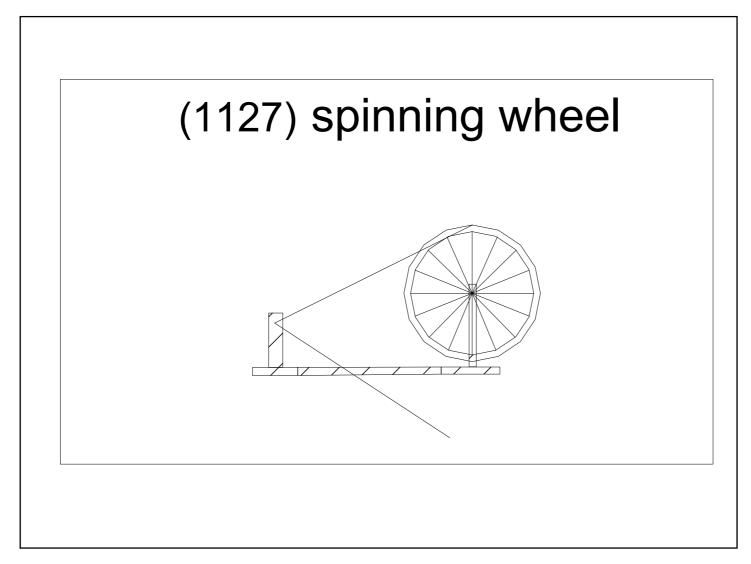


(1123) chisel (1123) chisel (1124) hammer (1124) hammer (1125) wooden hammer

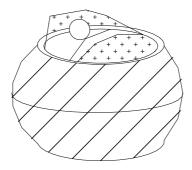
(1125) wooden hammer



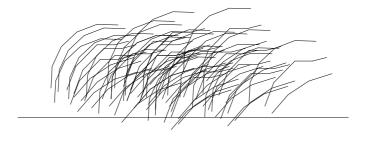
(1126) straw basket (1126) straw basket

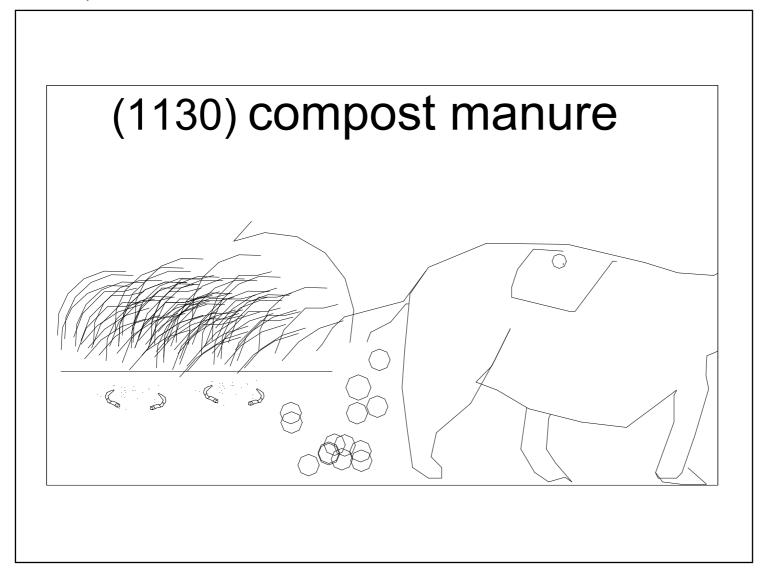


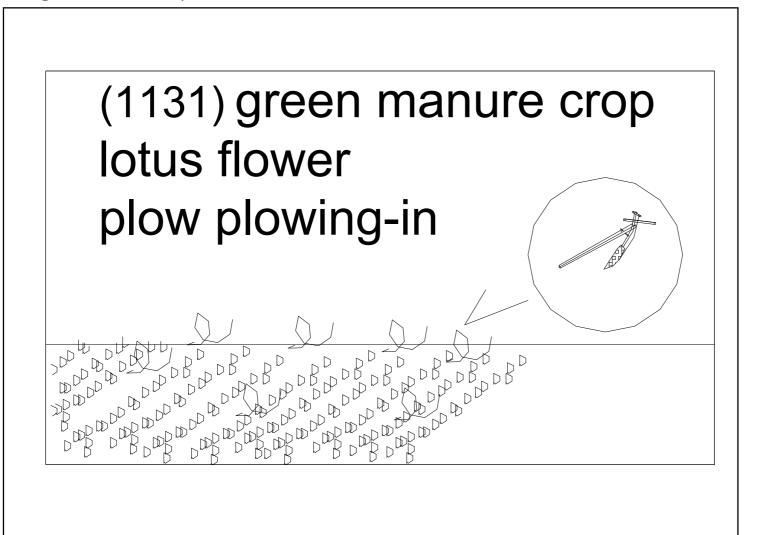
(1128) babies basket straw

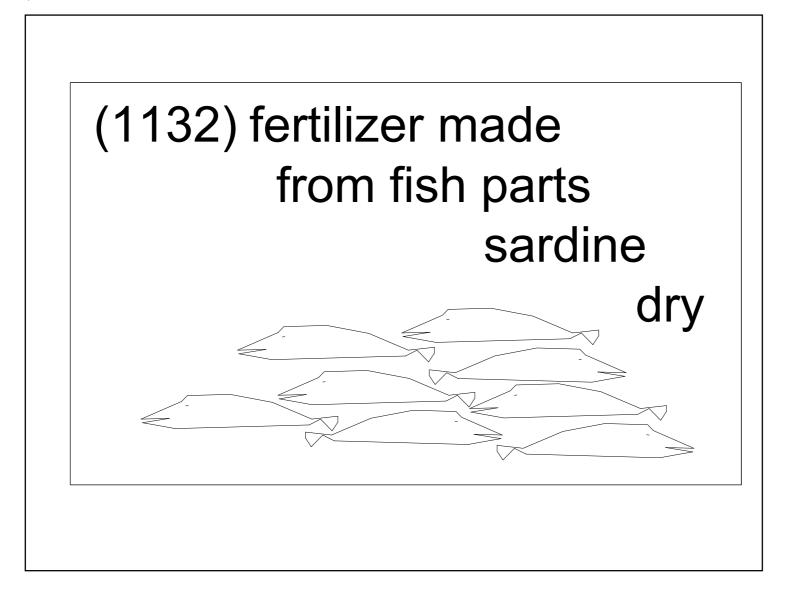


(1129) manure rice straw, paddy straw. fallen leaves grass

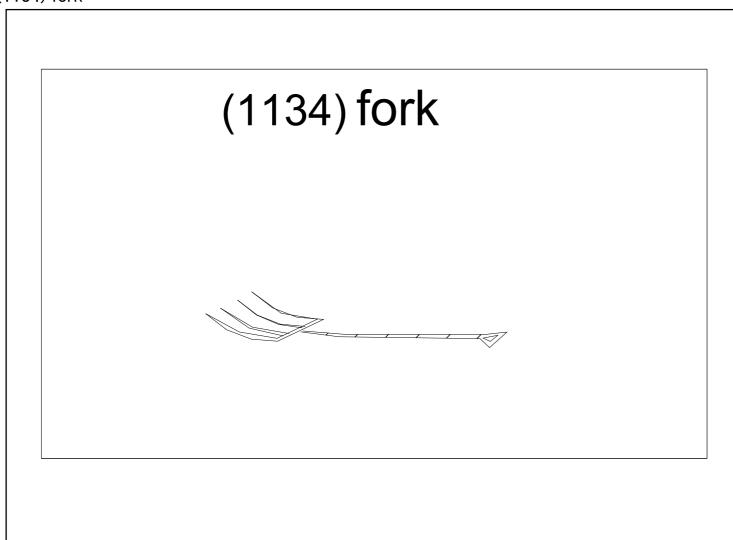


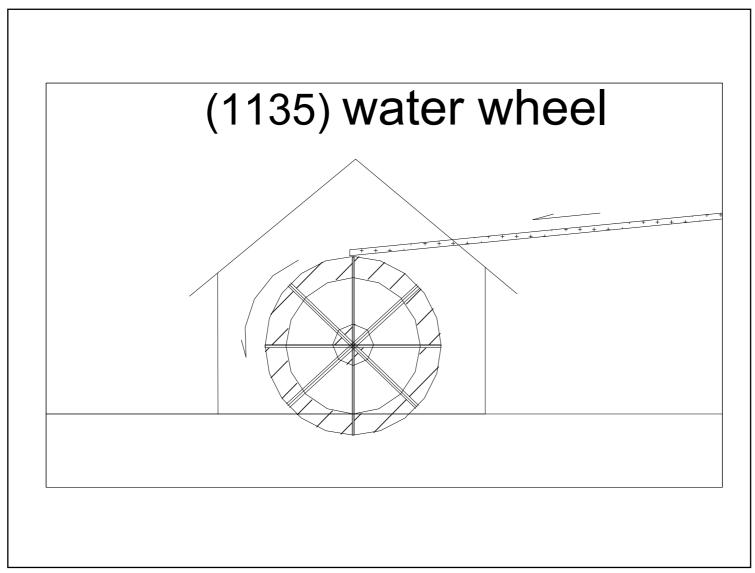


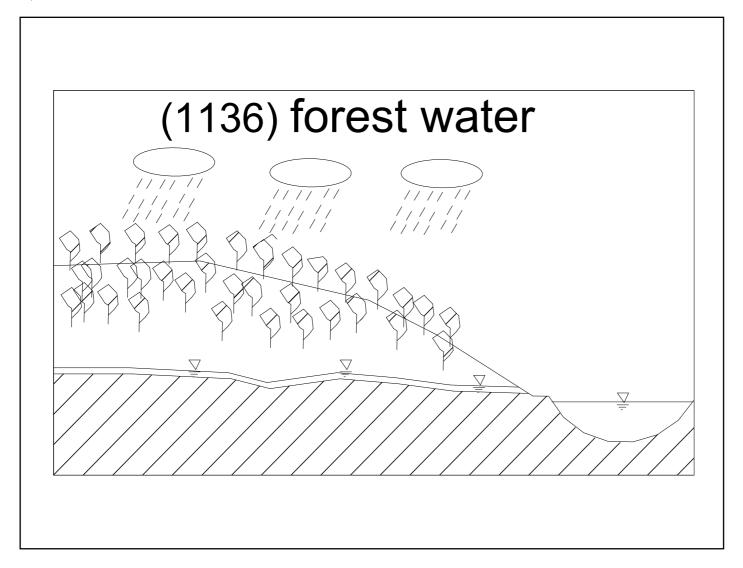




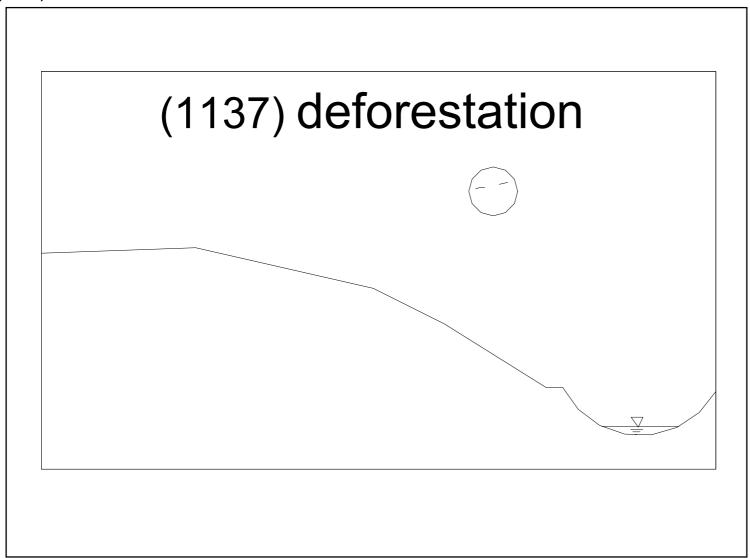
(1133) ash manure wood burn grass, (1134) fork

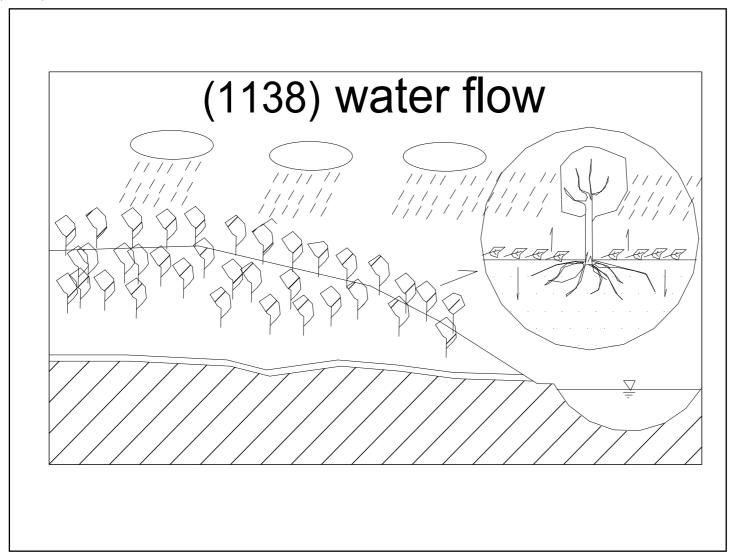


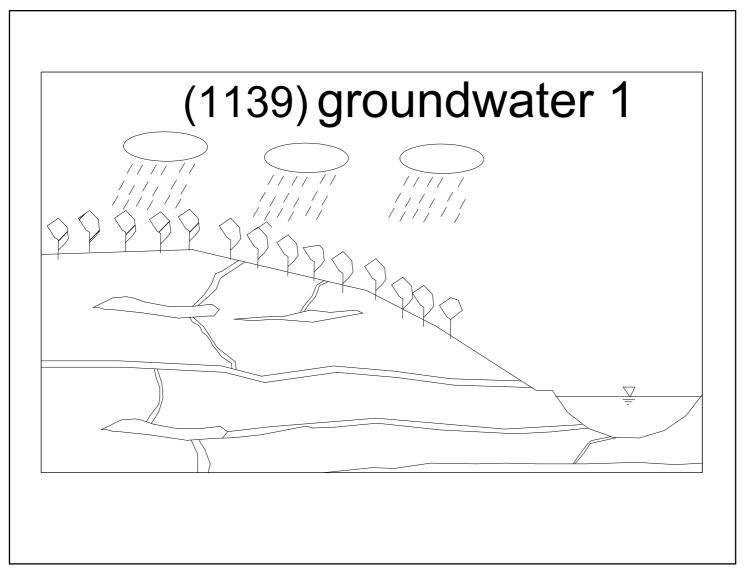




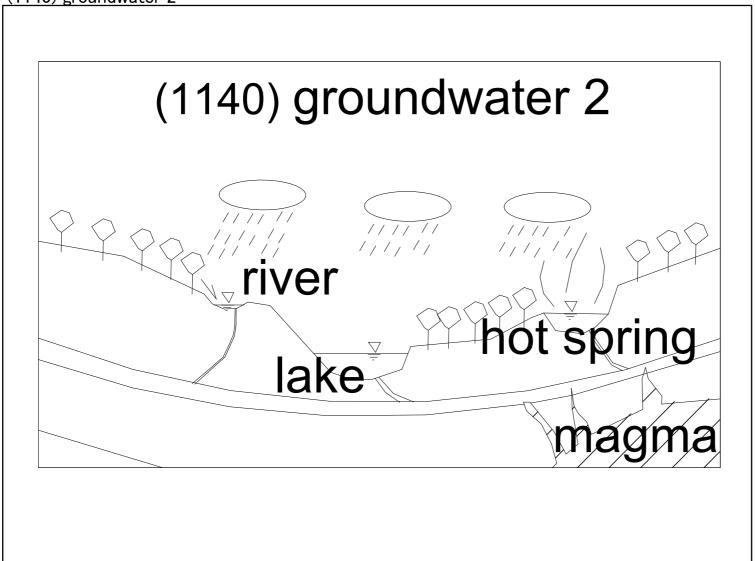
(1137) deforestation

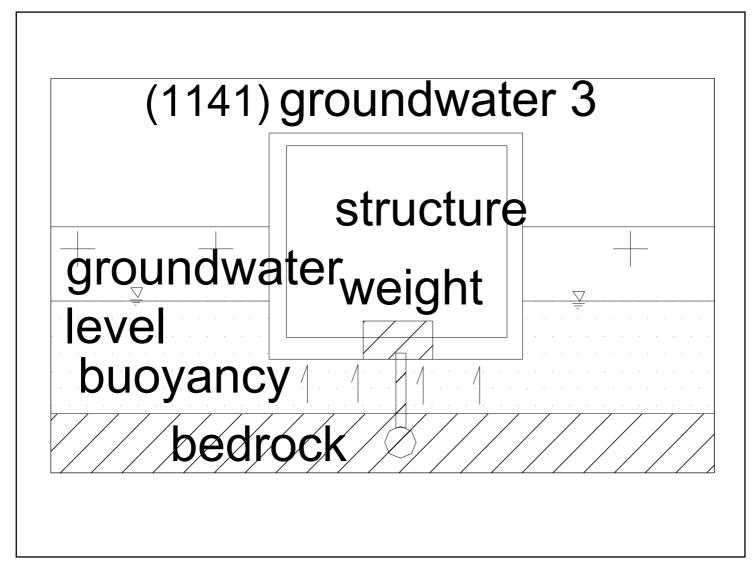




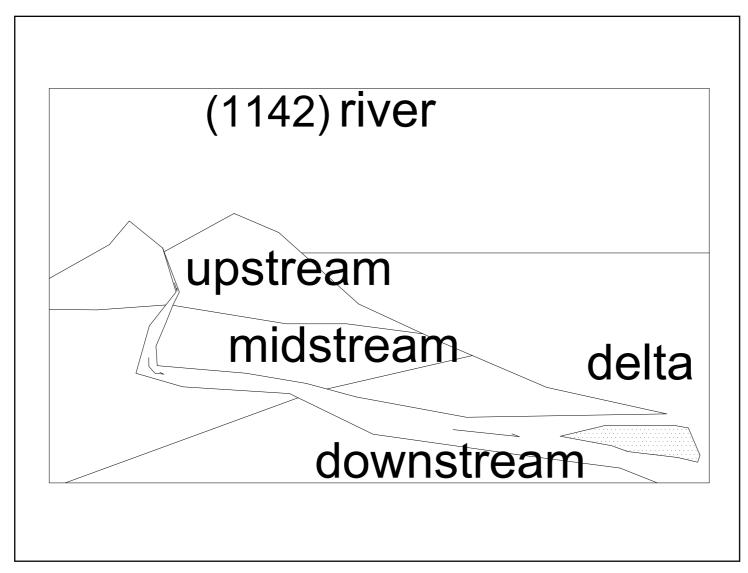


(1140) groundwater 2

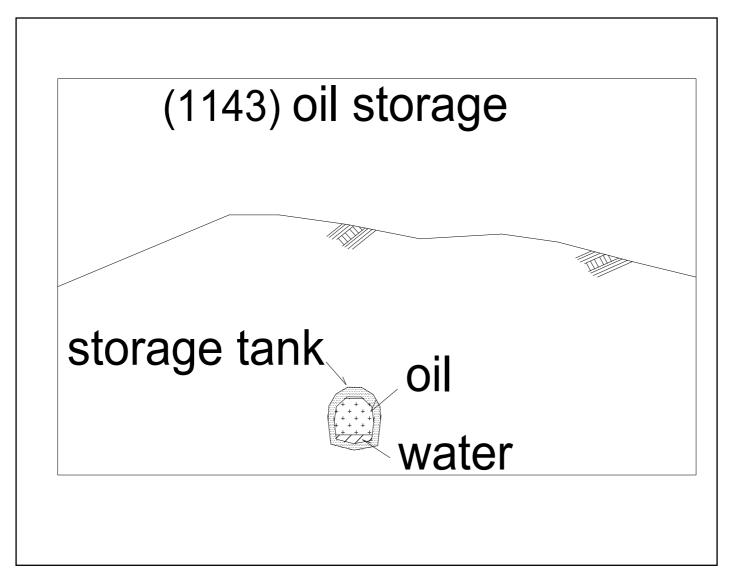


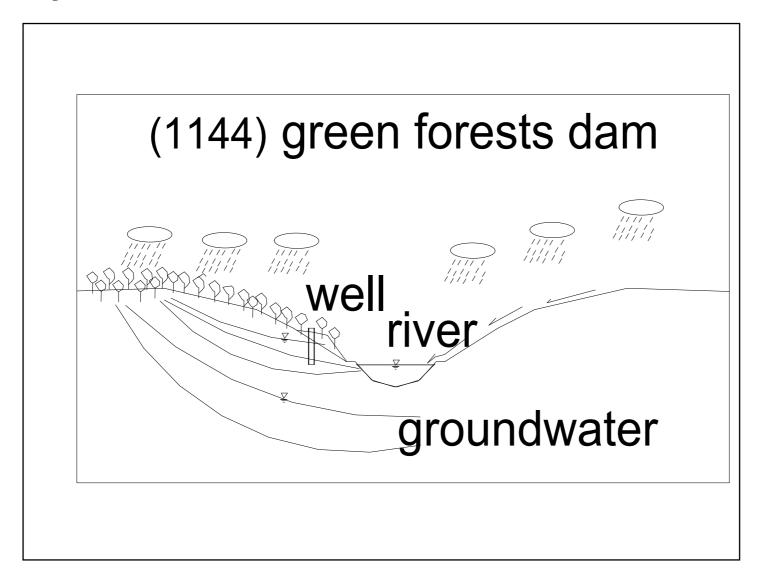


(1142) river



(1143) oil storage



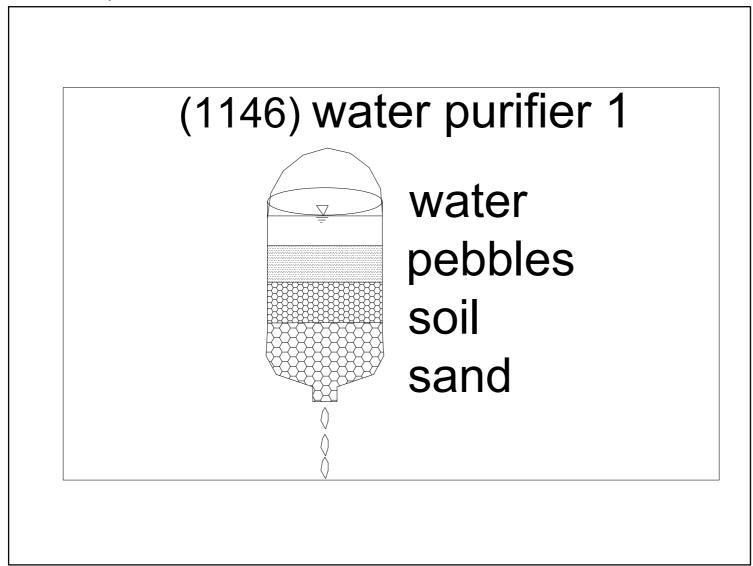


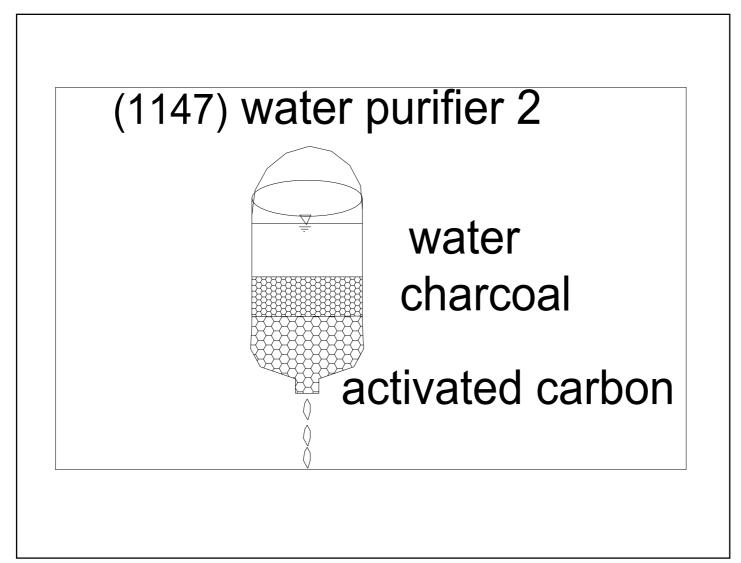
(1145) groundwater

(1145) groundwater

Permeable layer groundwater

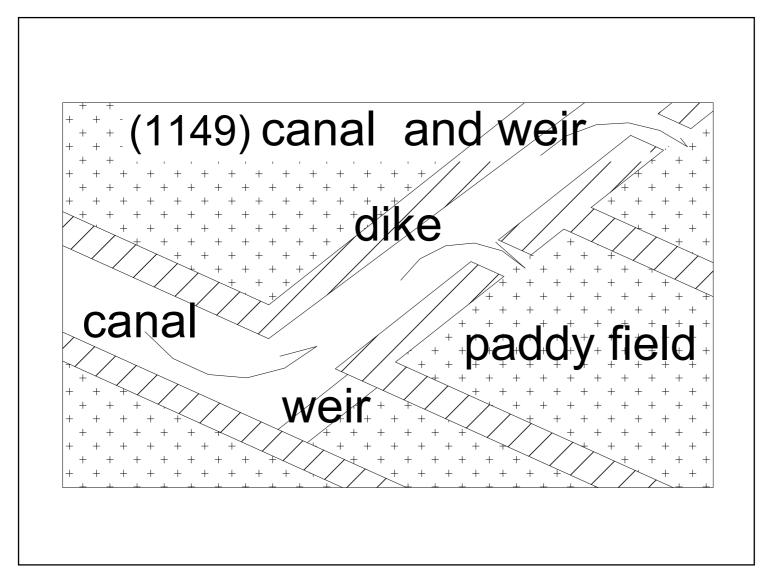
stone layer

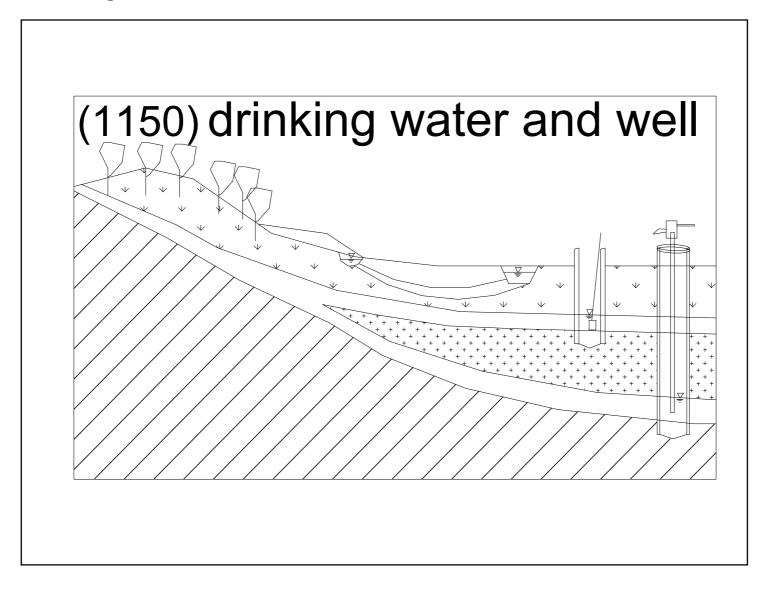


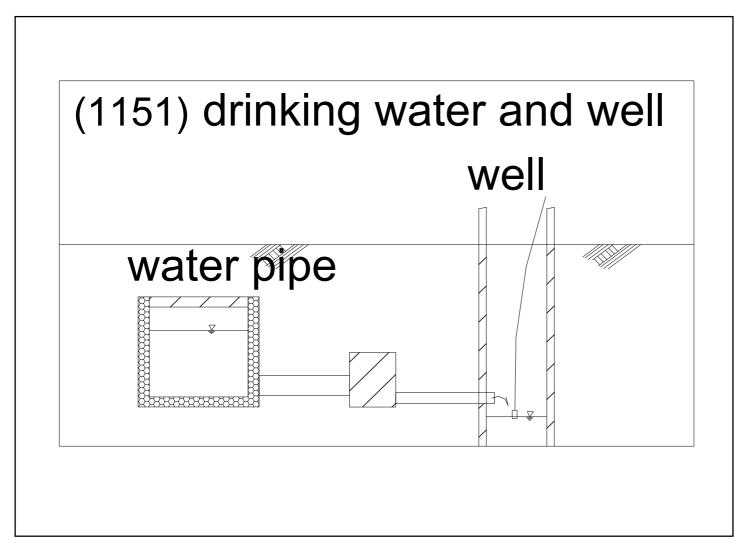


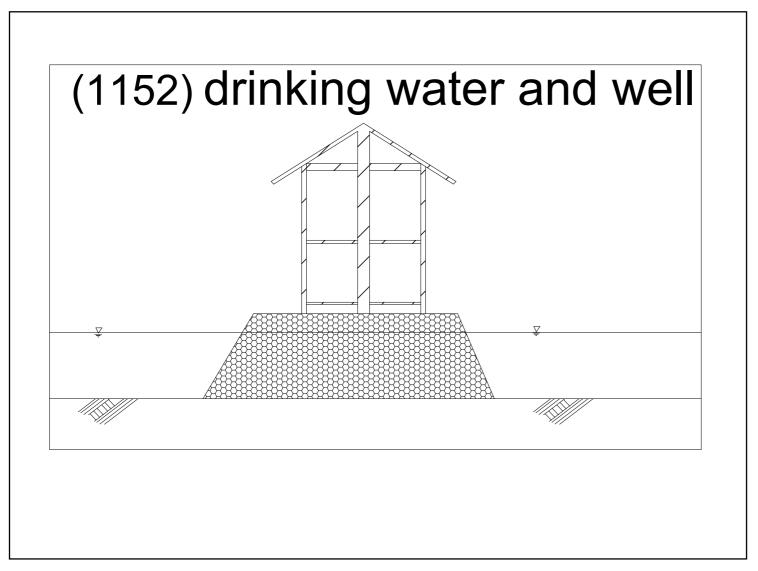
(1148) softened water and hard water softened water hard water calcium magnesium

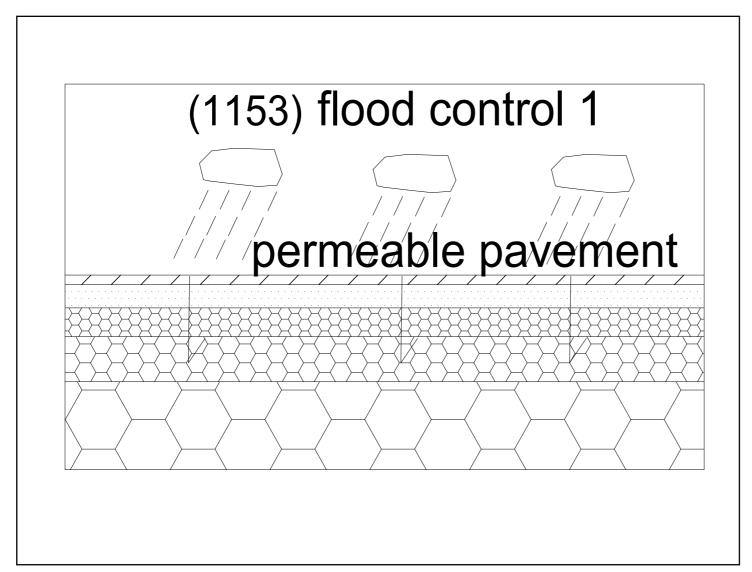
(1149) canal and weir

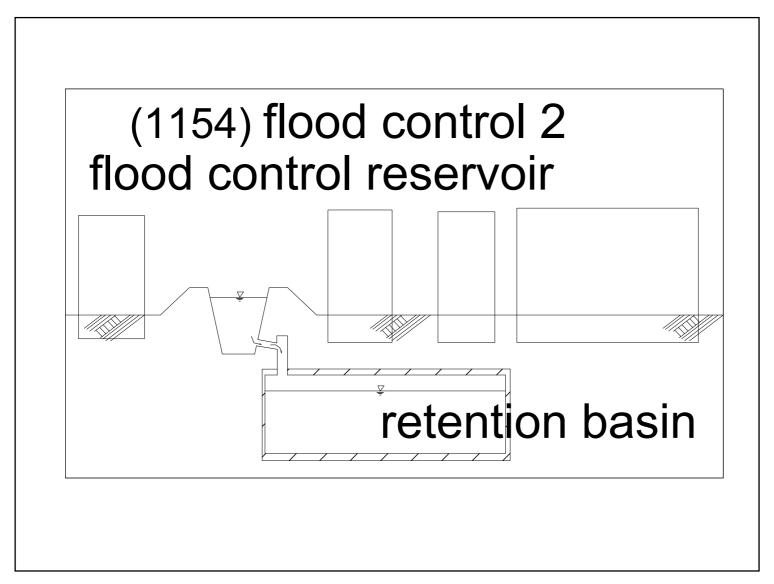


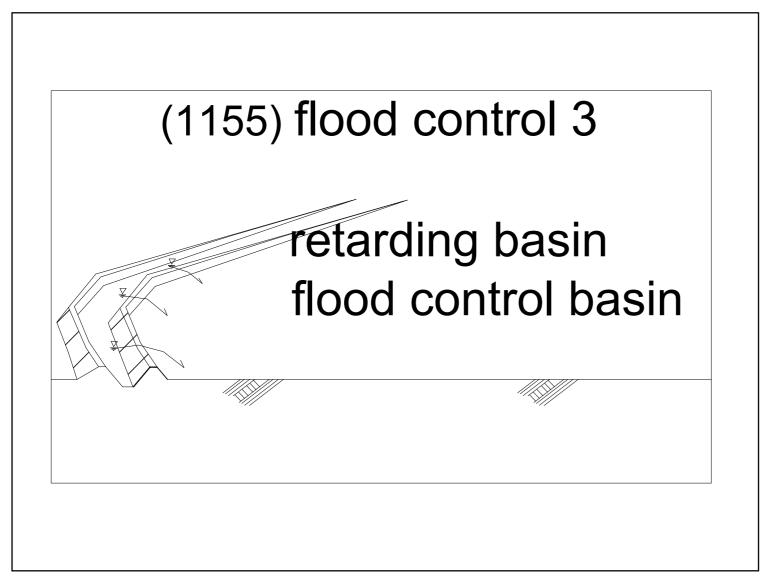


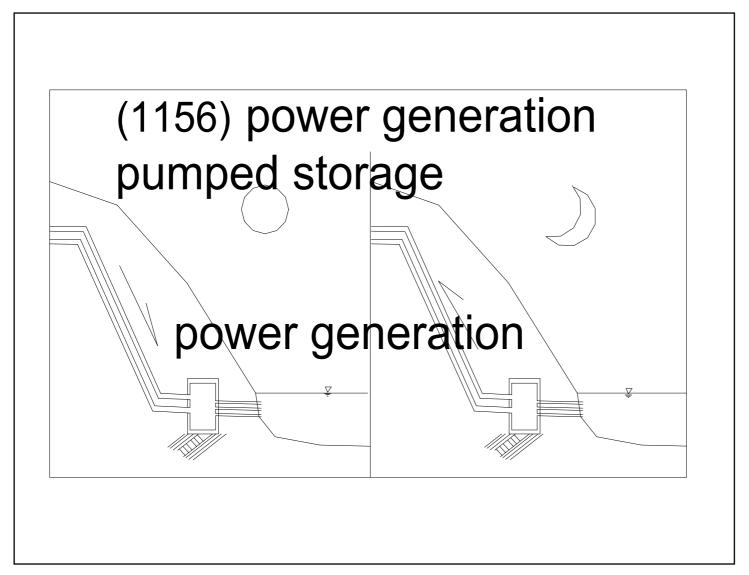


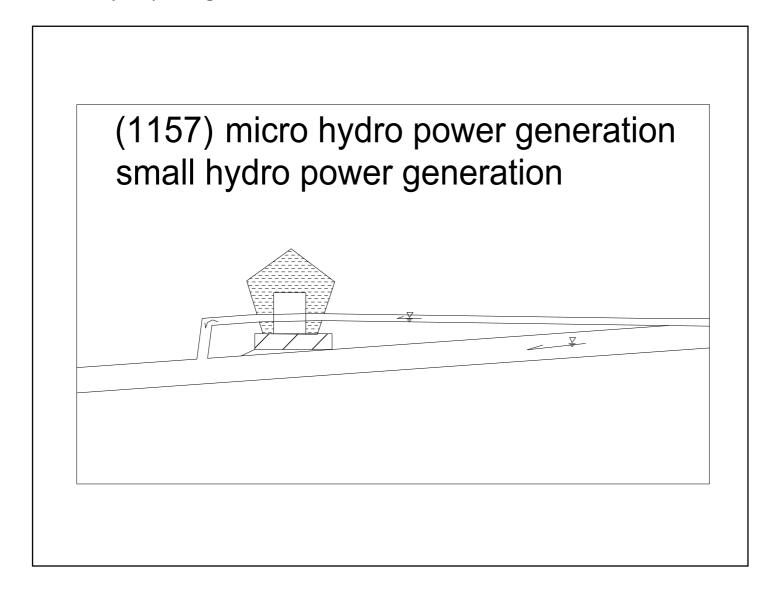


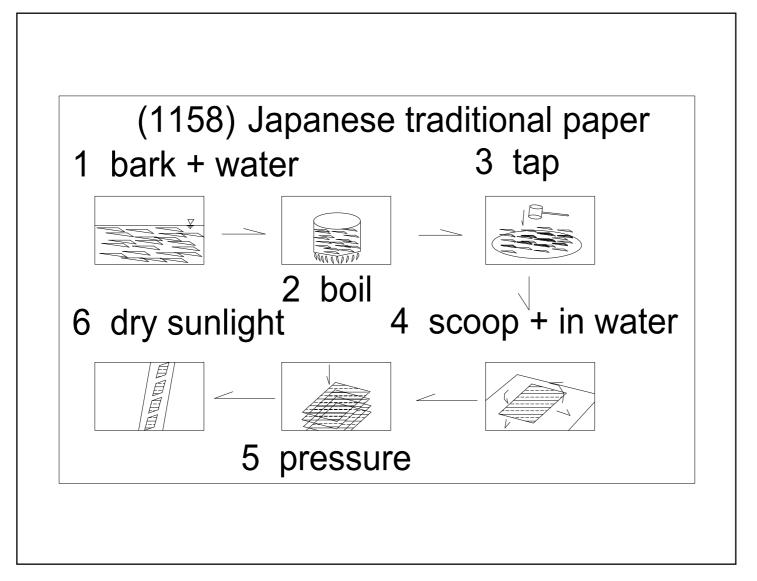


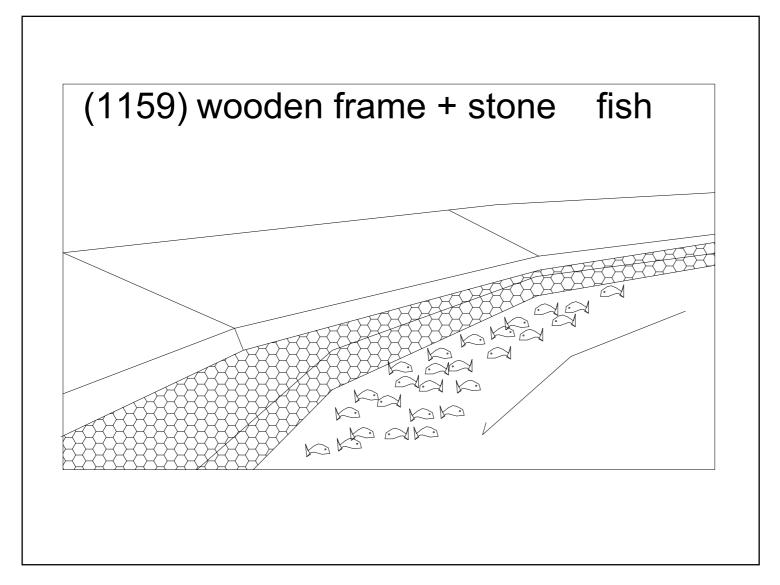




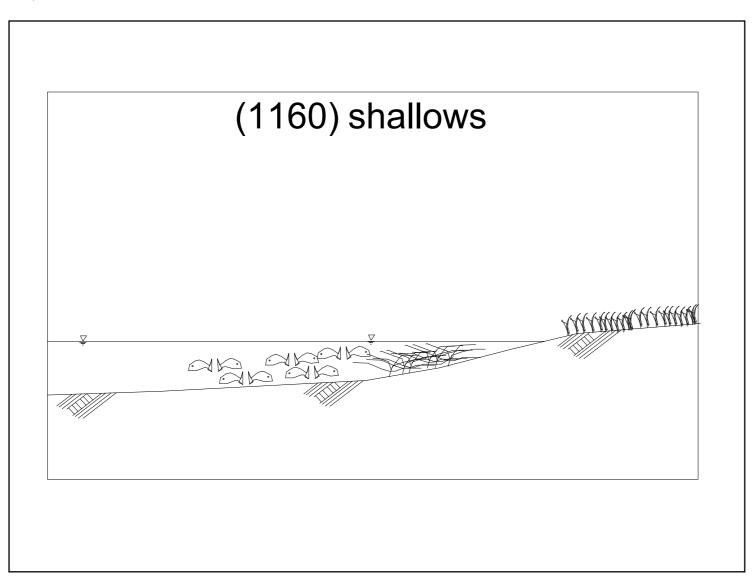




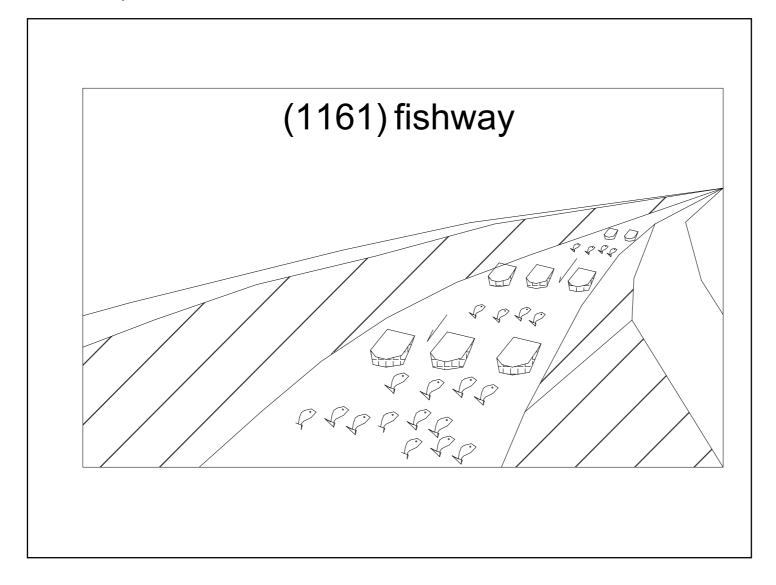


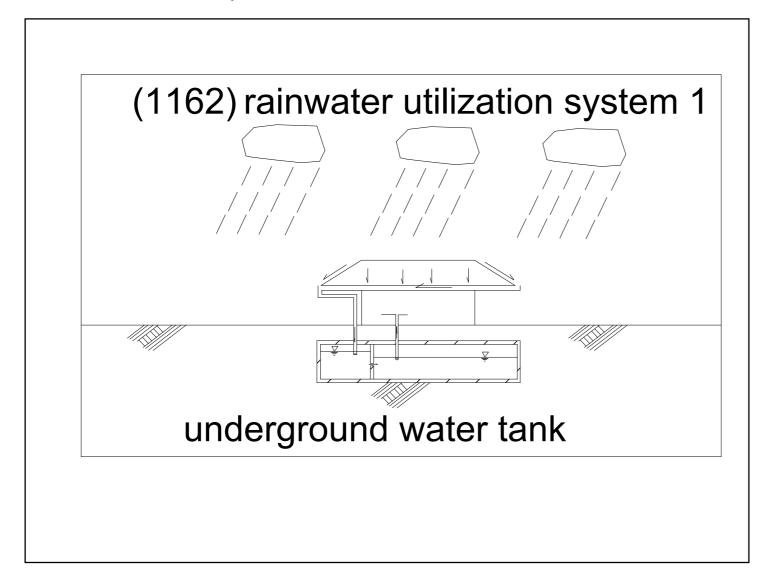


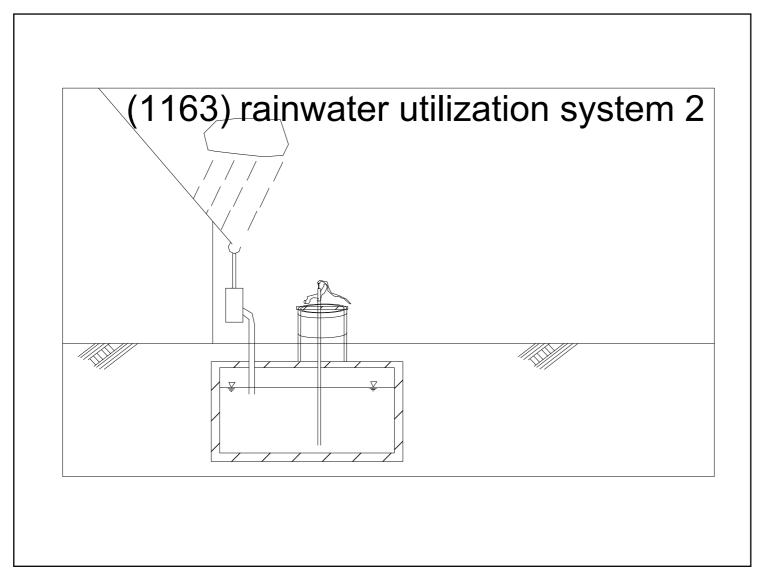
(1160) shallows

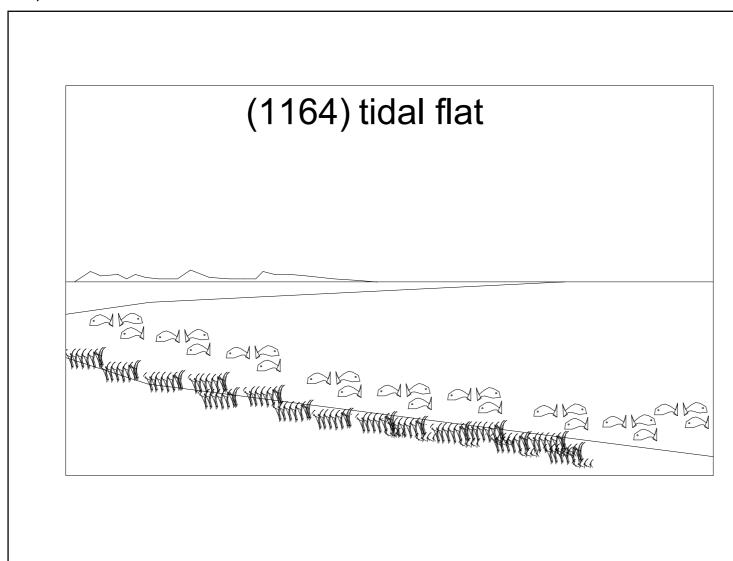


(1161) fish way

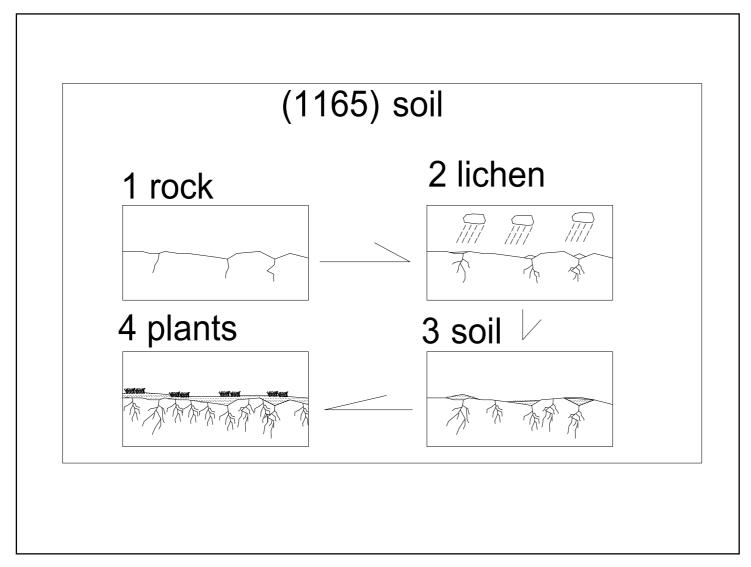




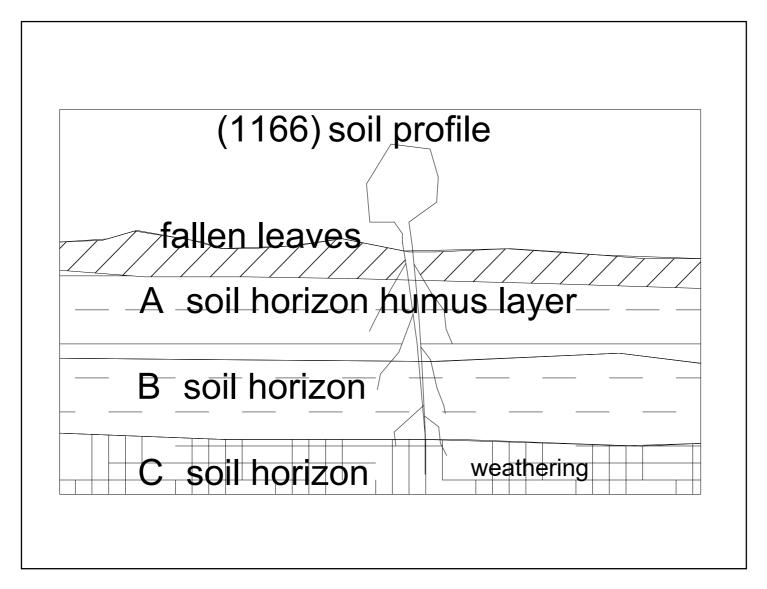


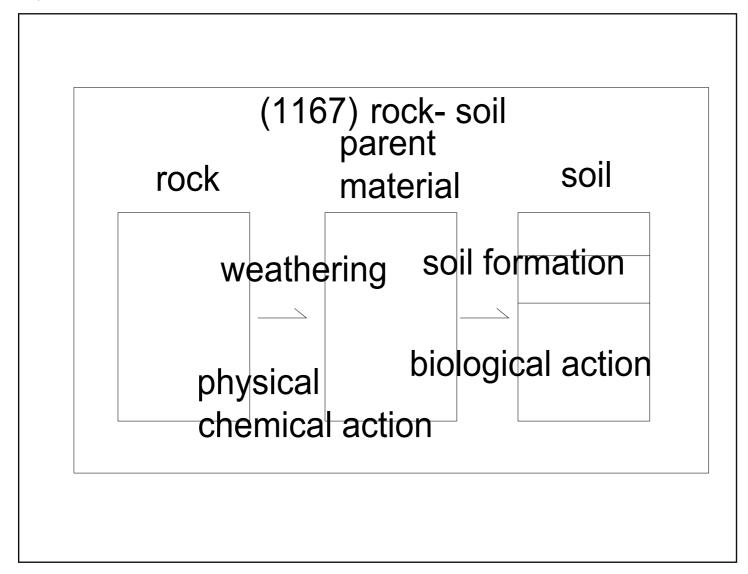


(1165) soil



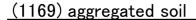
(1166) soil profile





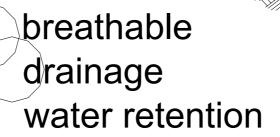
(1168) soil classification system

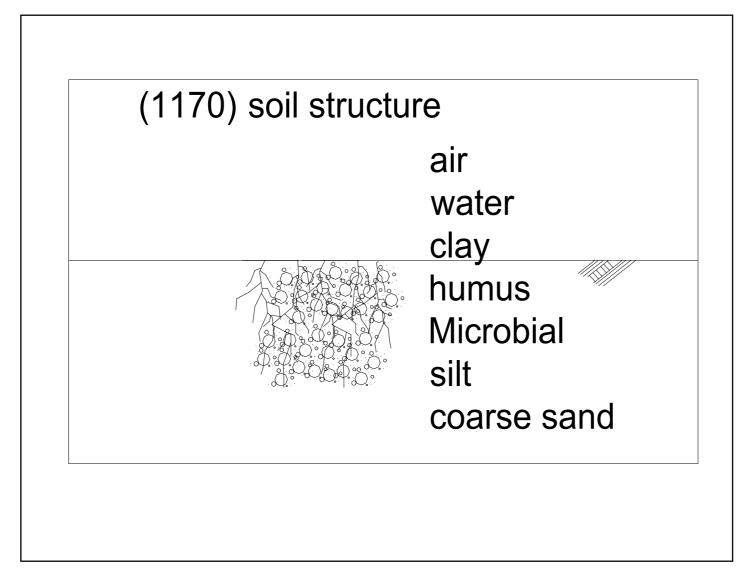
	grain size
rock	over 2mm
coarse sand	0.2~2mm
fine sand	0.02~0.2mm
silt	0.002~0.02mm
clay	below 0.002mm

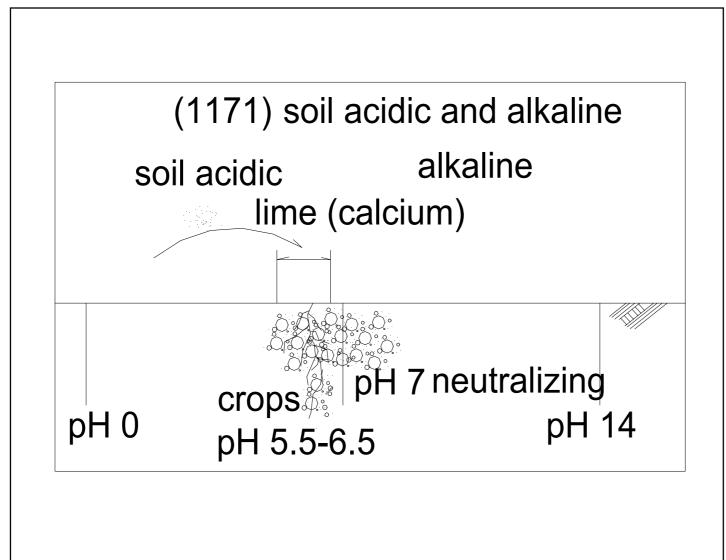


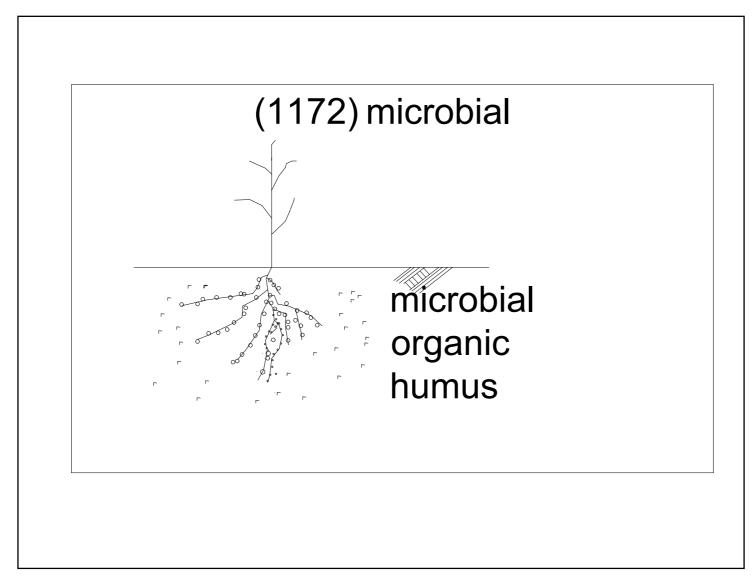
(1169) aggregated soil

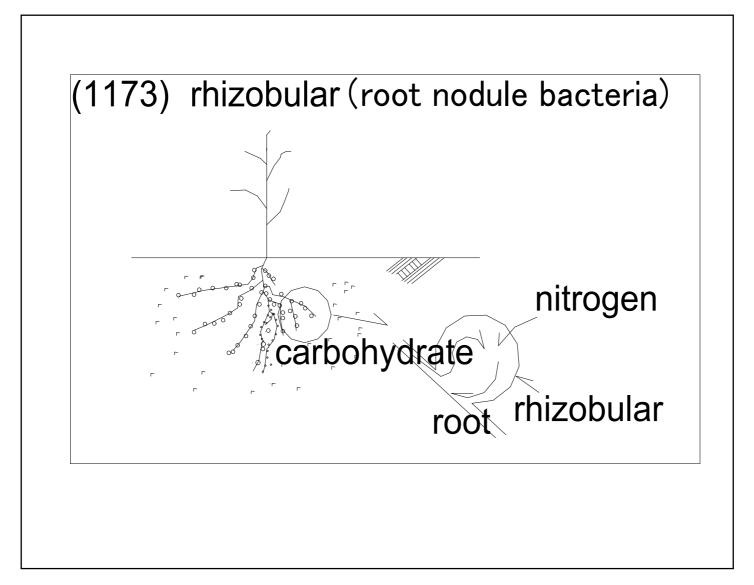




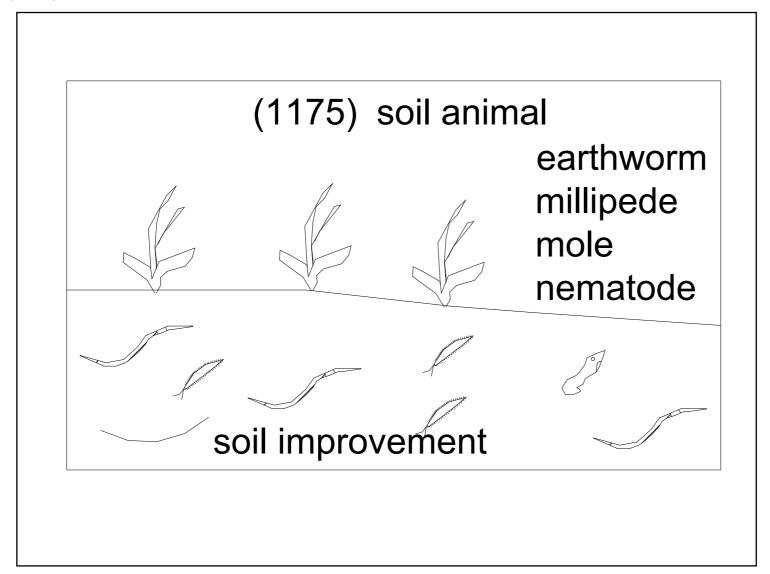




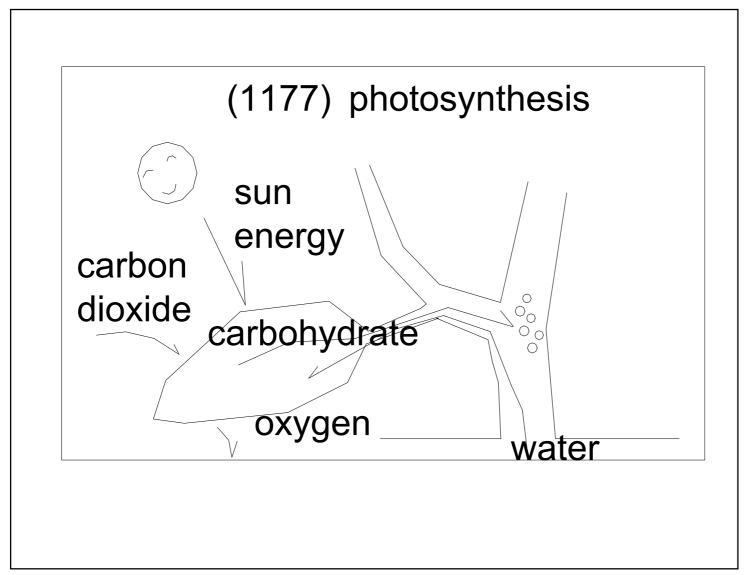


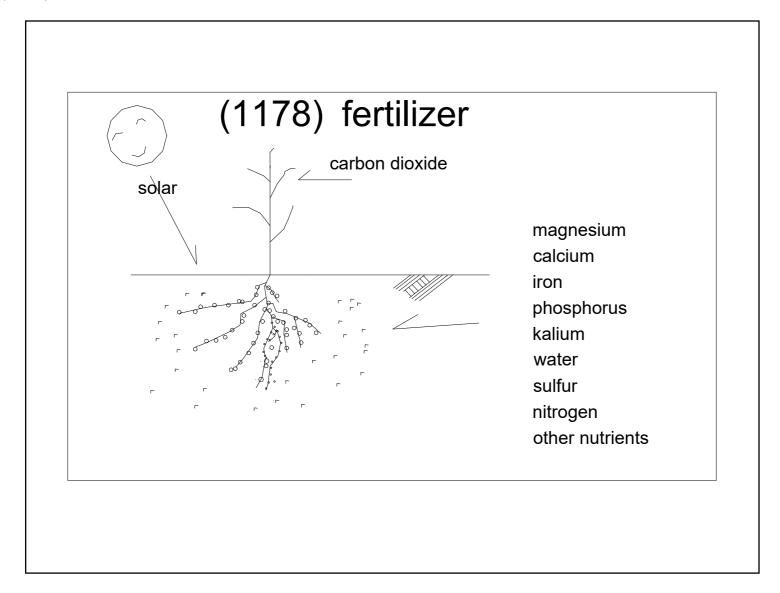


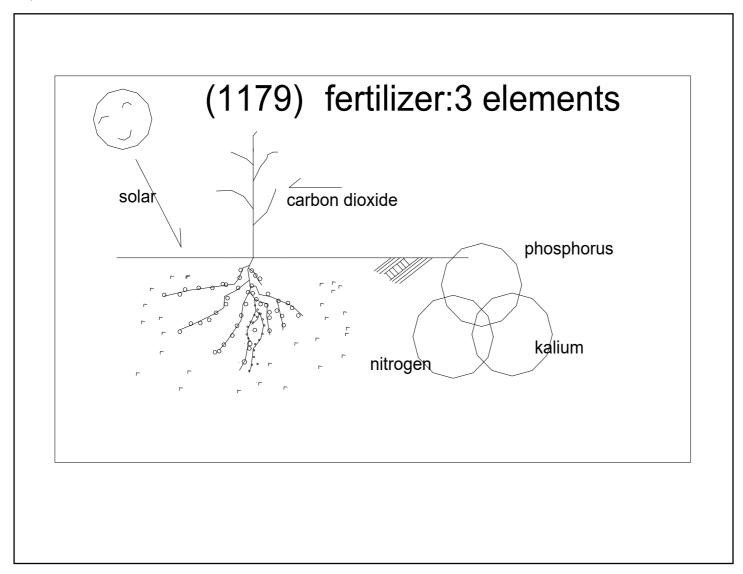
(1174) leguminous plant fertilizer astragalus sinicus

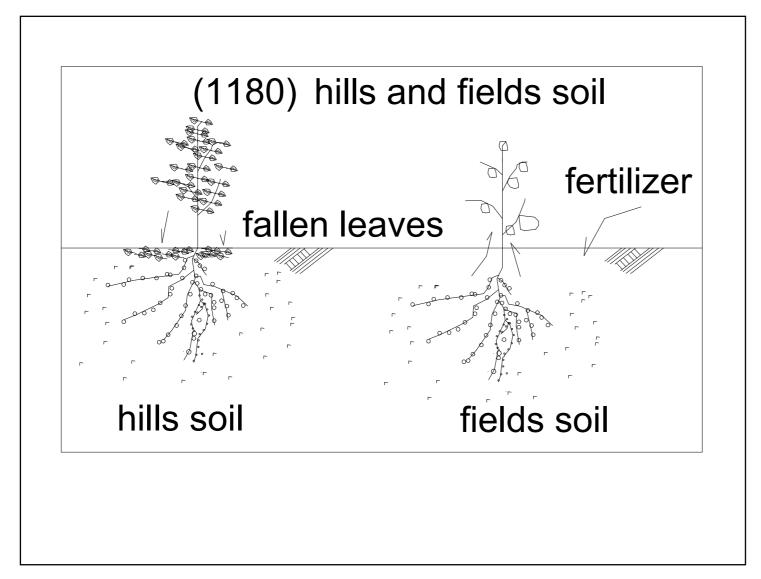


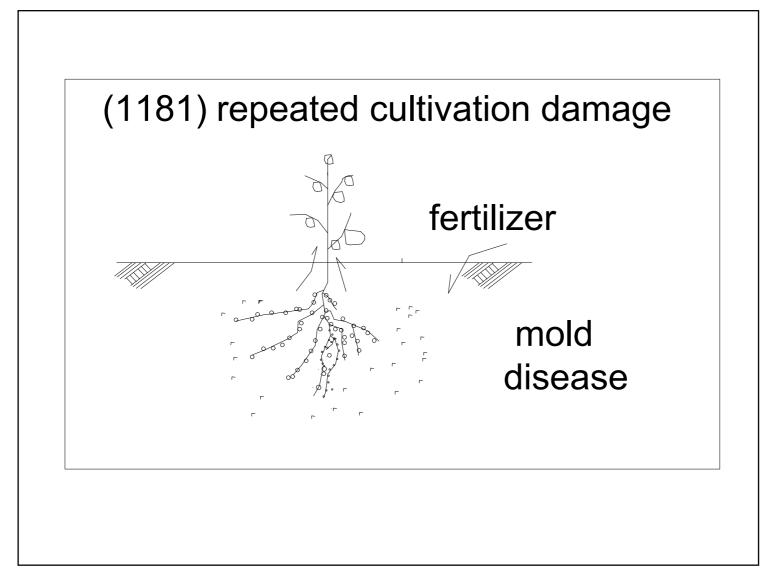
(1176) earthworm mouth cloaça earth droppings soil improvement

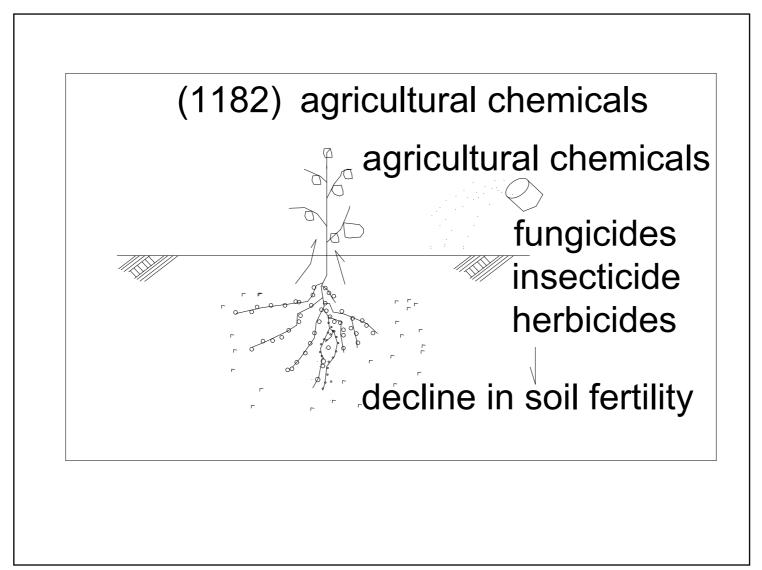


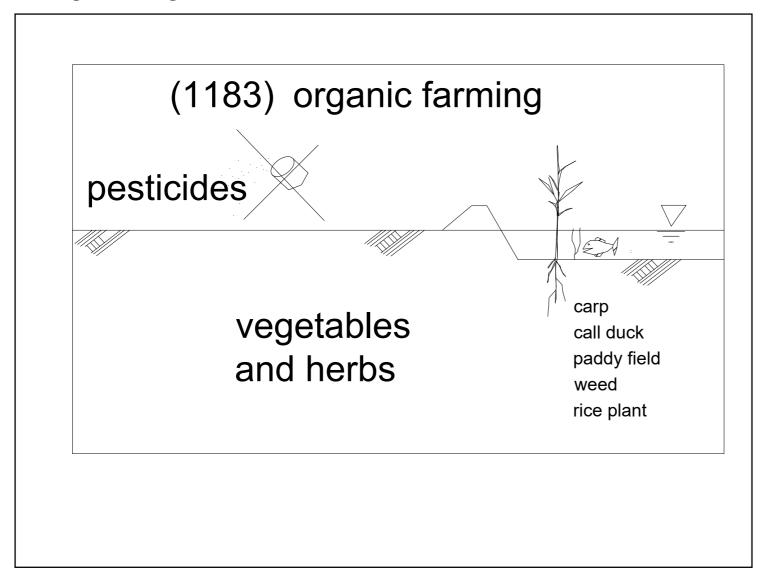


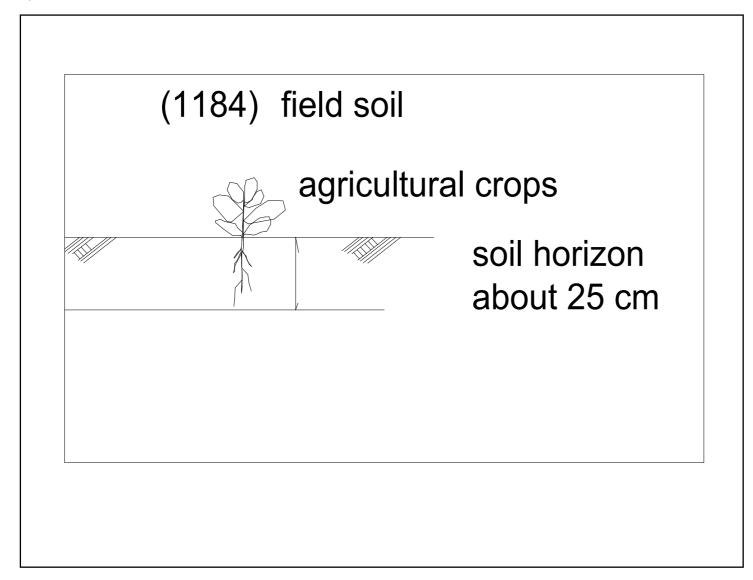


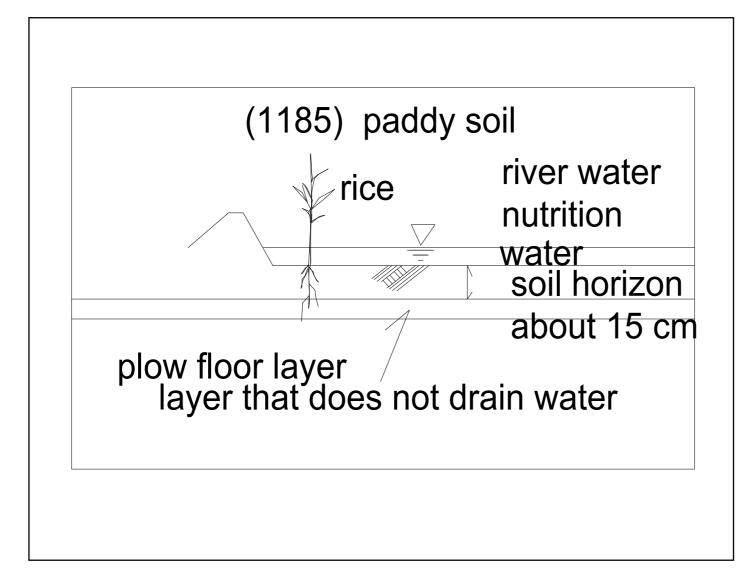


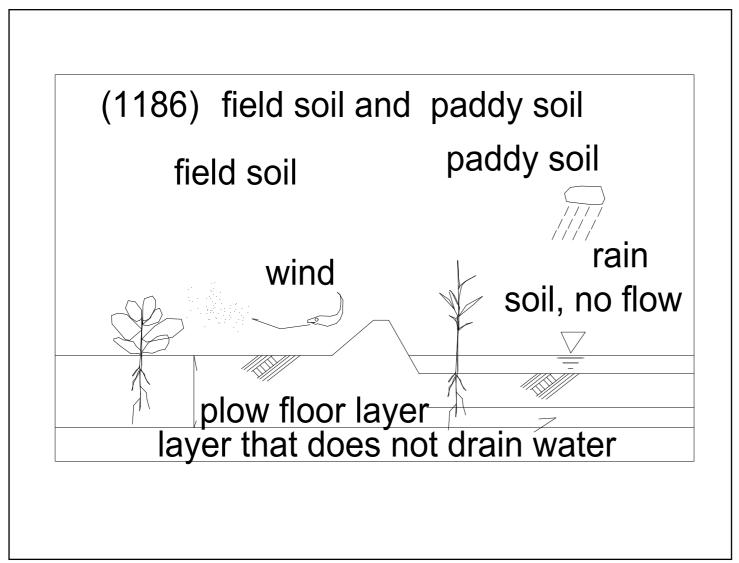


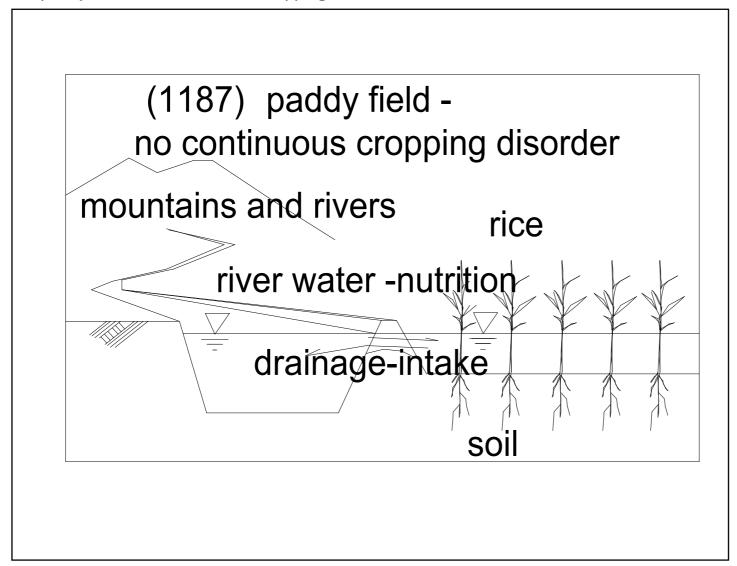


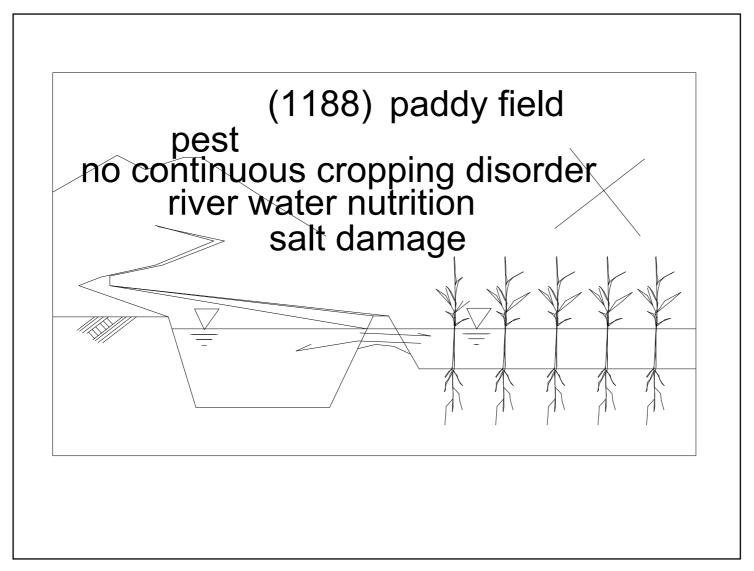


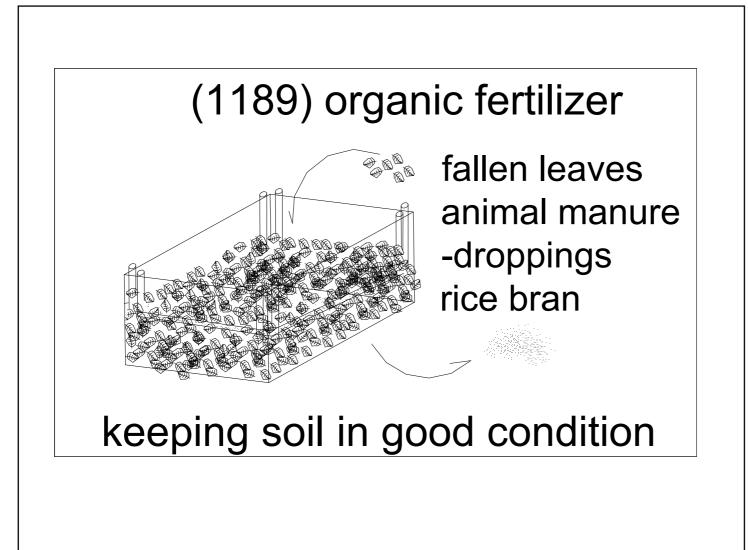


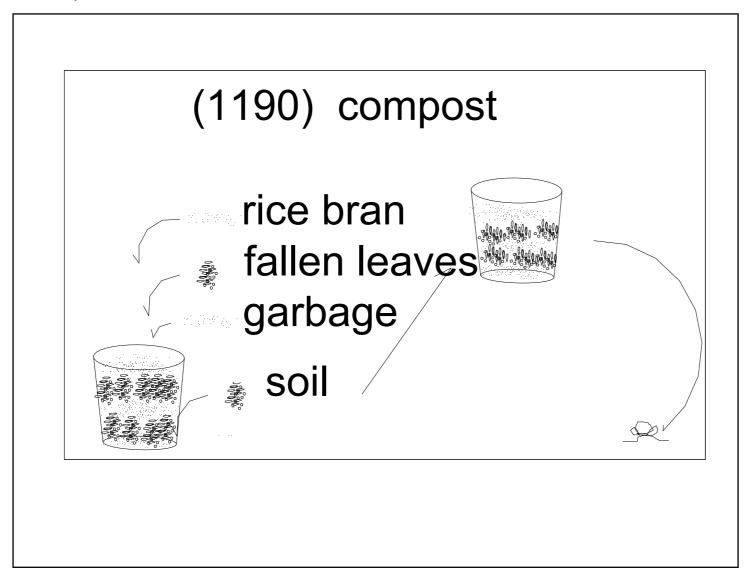


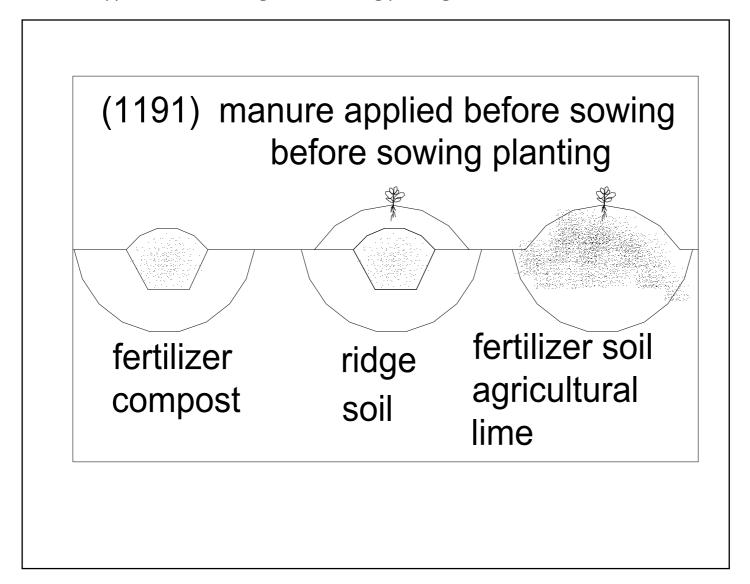


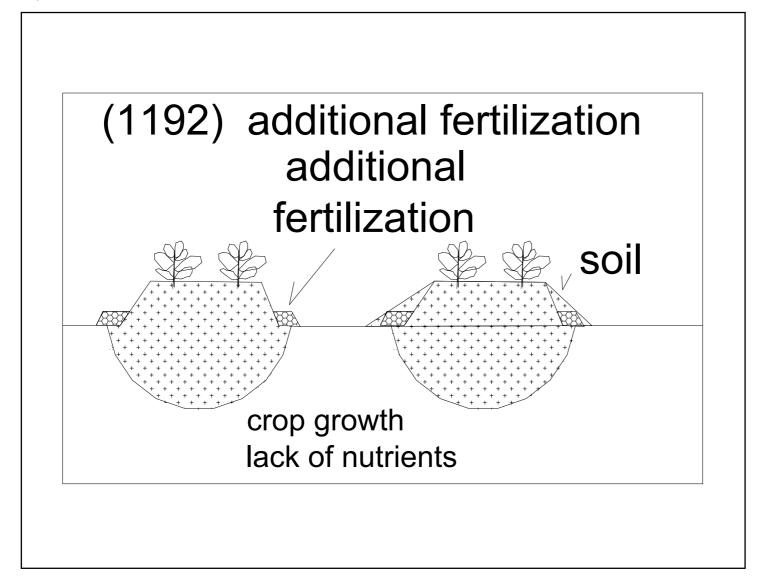


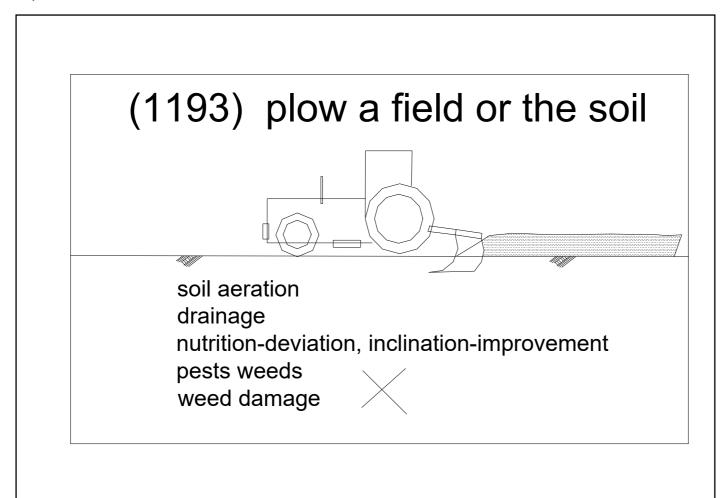




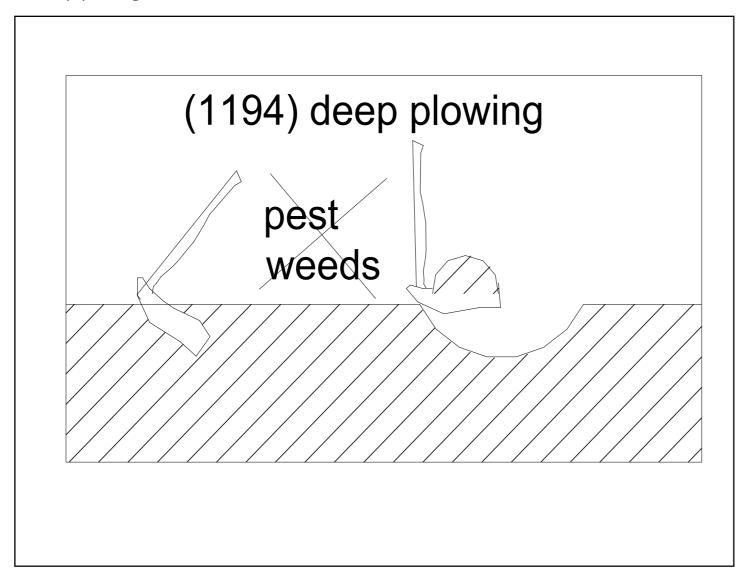


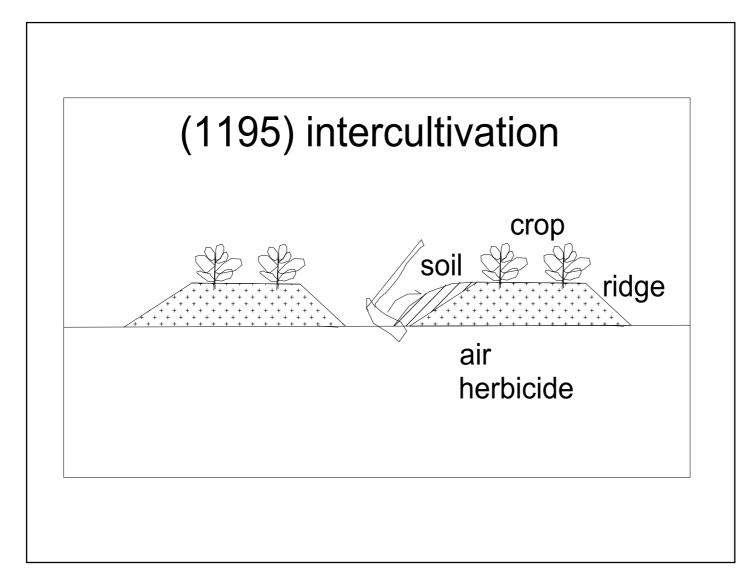


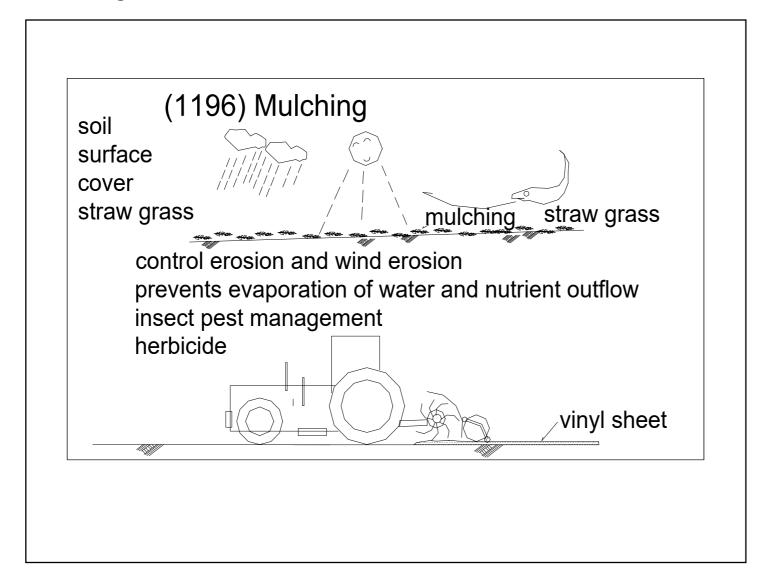


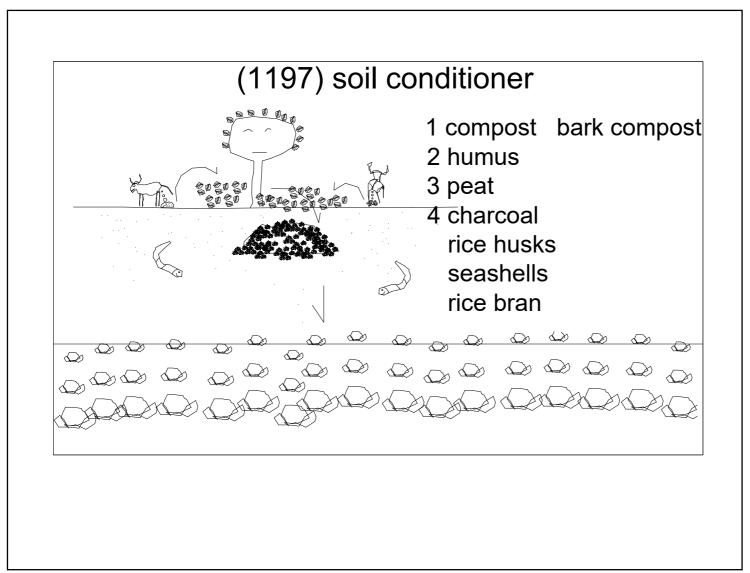


(1194) deep plowing



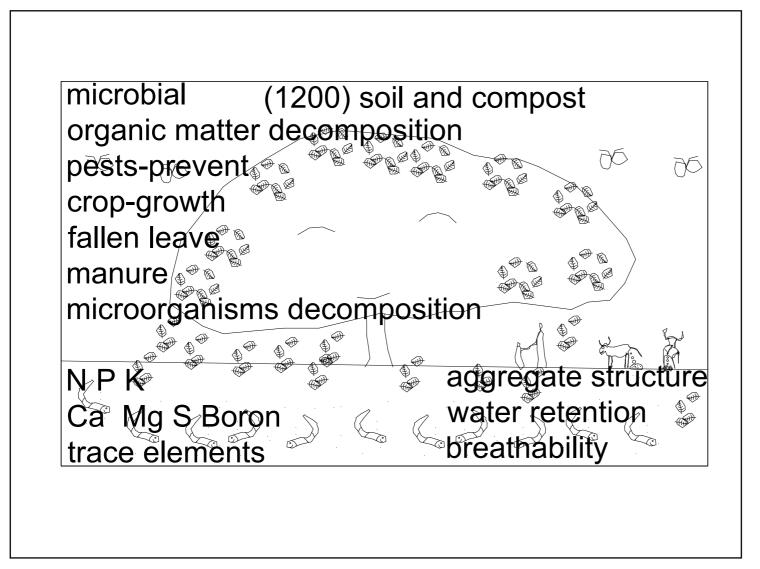


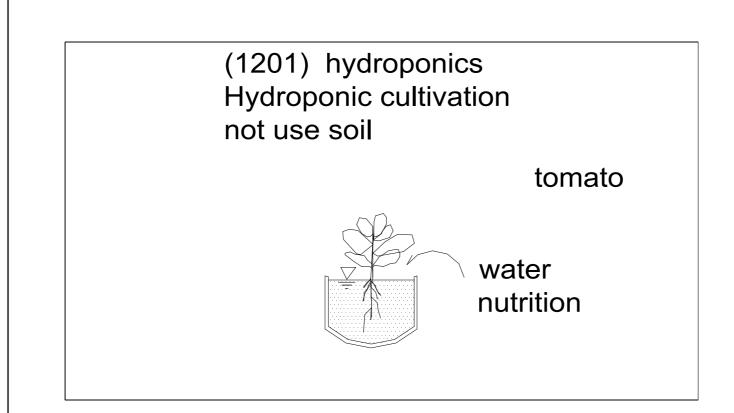




(1198) (volcanic ash+pumice stone+volcanic glass-sedimentary soil)plateau (1198) (volcanic ash+pumice stone+ volcanic glass-sedimentary soil)plateau water spitting good sweet potato radish

(1199) sand dunes disadvantages advantages drainage nutrient water -not keep breathability need irrigation facility windbreak compost arcilla roja watermelon melon tomato sand dunes cucumber soybean

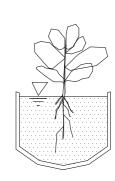


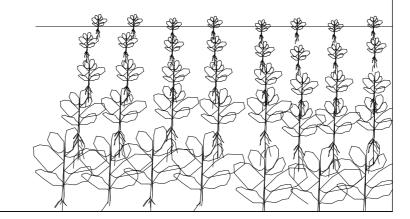


(1202) hydroponics 2

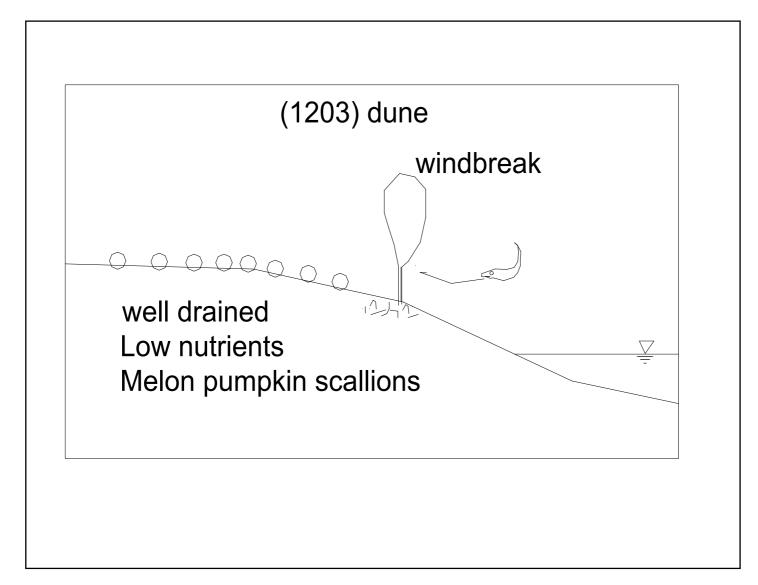
Advantages Indoor weather-no effect Constant yield Disadvantages
Large equipment
Culture medium
management

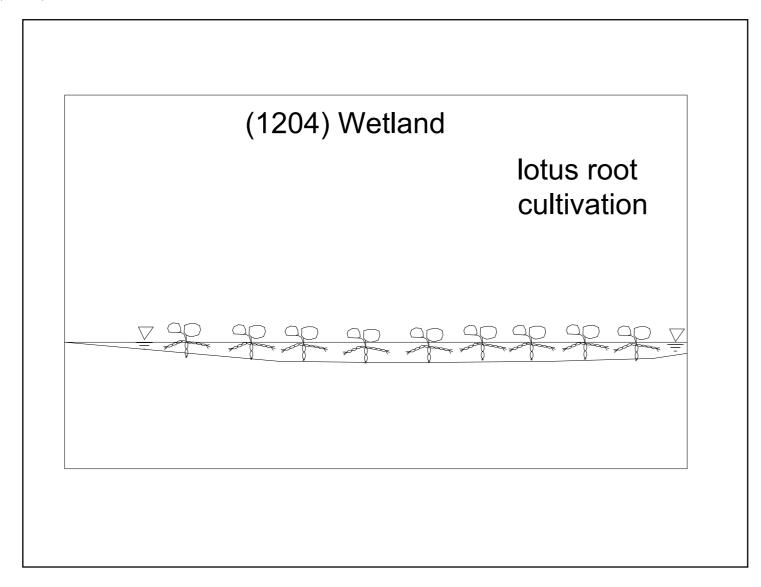
Natural environment Air water soil Natural landscape



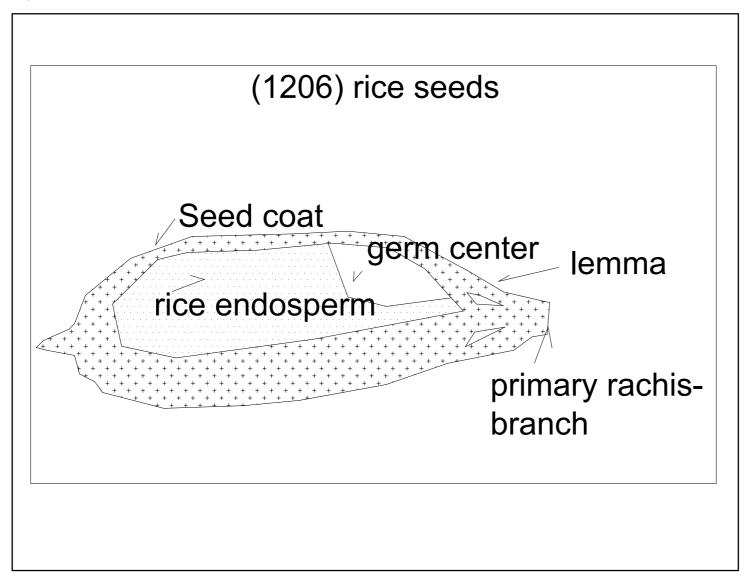


(1203) dune





	(1205) Rice growth						
growth	Rooting tiller germinating			Heading Flowering			
	3			pollinationRipening			
	April	May	June	July	Aug	Sep	Oct
Agricultural work	6 water management 1 Good seed selection						
	2 germination3 Seed sowingGrow seedlings		_	7 Pest control Weed control		8 Harvest 9 dry	
	4 rice paddy plowing ploughing 5 Rice planting						





Raw egg sideways

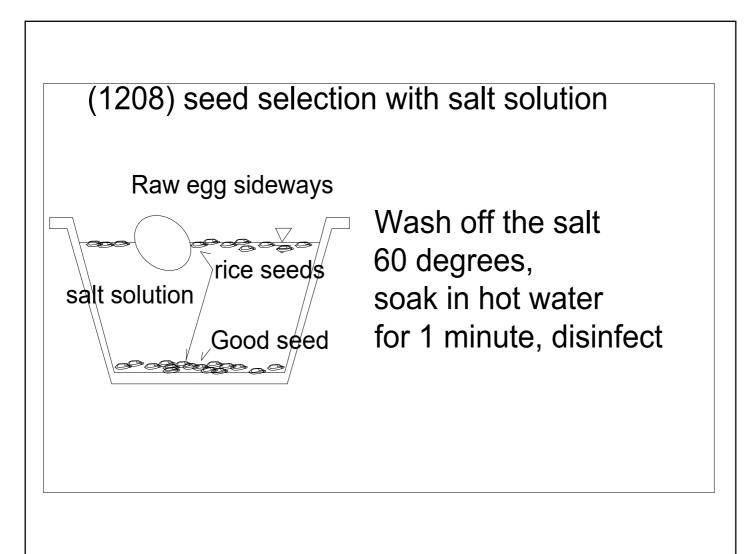
Good seed selection Remove seeds that emerge

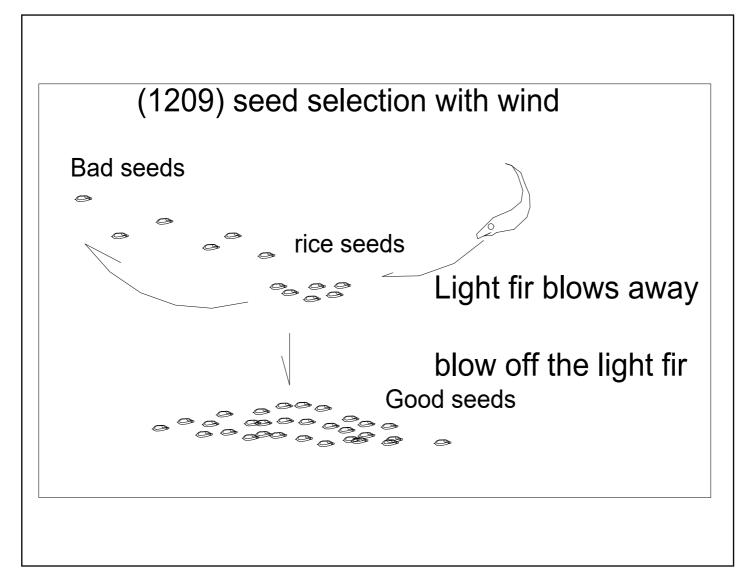
rice seeds

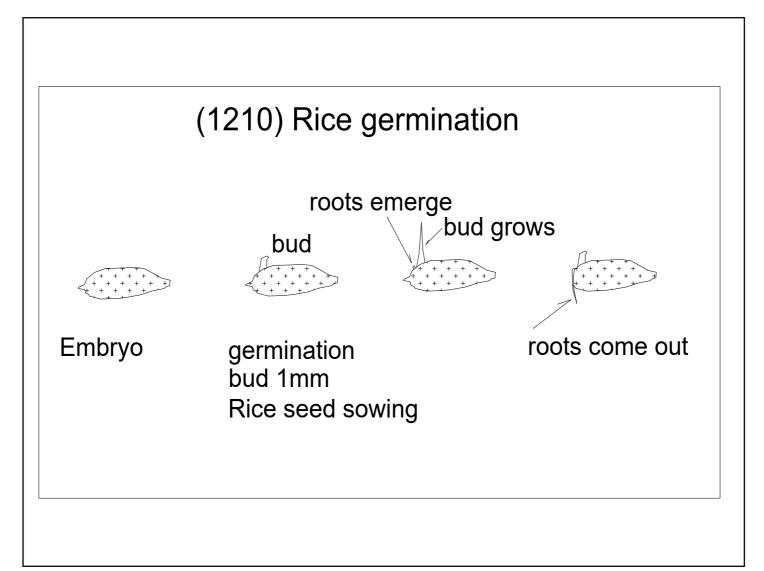
Good seed

Specific density1.13 18Liter Water 4.8kg salt

Choose seeds that are sinking







(1211) sprouting seedling

bud

germination

bud 1mm Rice seed sowing raising of seedling

bud break Rice seed sowing

Seedling box for growing seedlings



Seed bag Moisture Selected seed

shakes up and down Constant temperature net

Sucked seeds

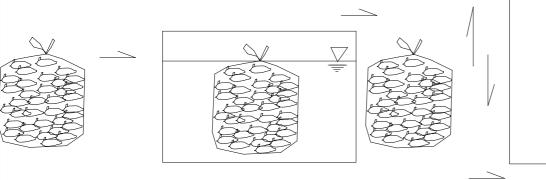
Oxygen Soak in water 30-32 degrees Place

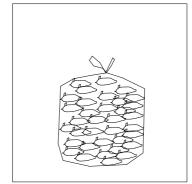
for 7-10 days 1 day

Cumulative water

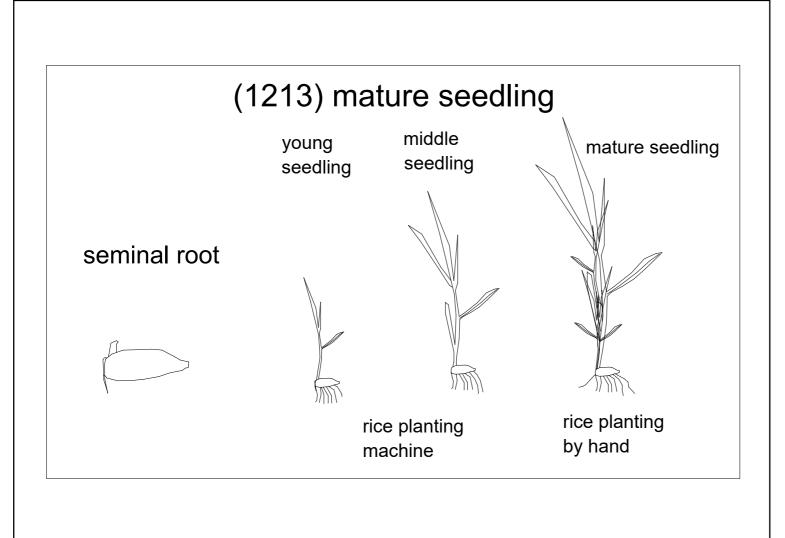
temperature 100 degrees

Bud length 1 mm



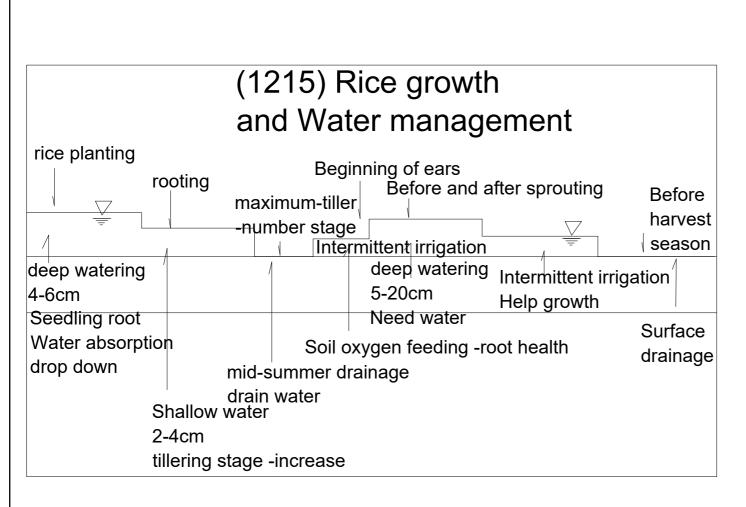


(1213) mature seedling

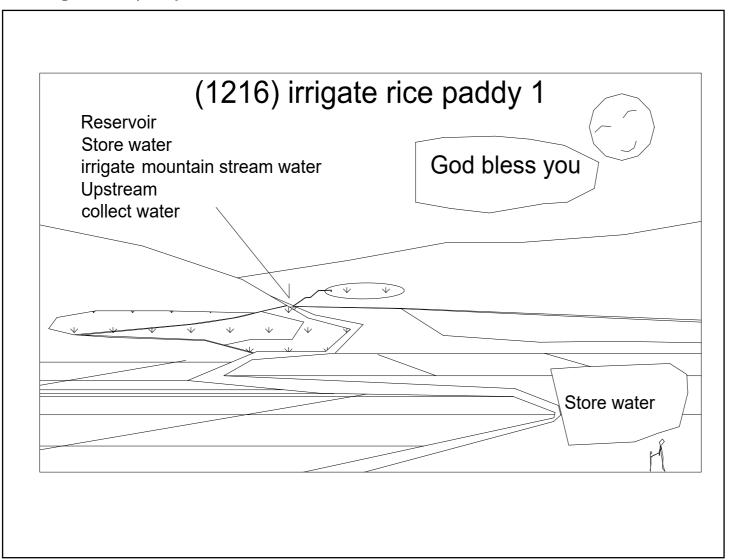


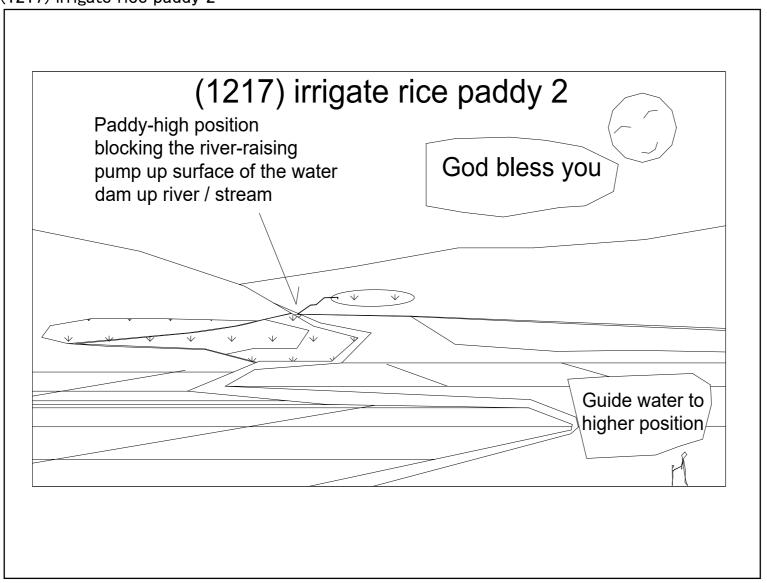
(1214) rice field structure (1214) rice field structure ridge between rice fields Prevent water leaks Rice field water plow layer drainage channel plow sole layer impervious to water

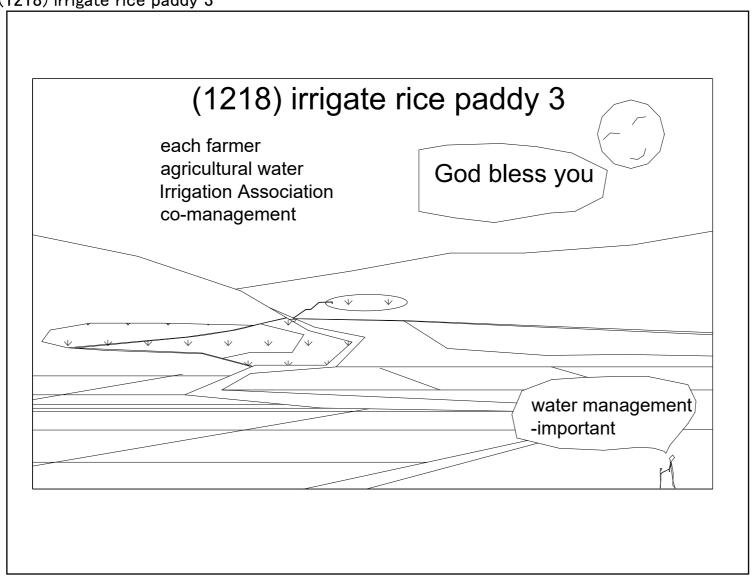
(1215) Rice growth and Water management

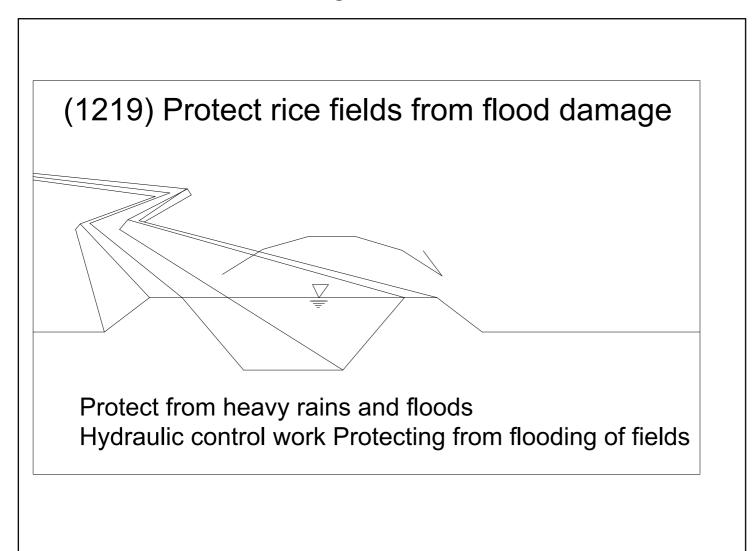


(1216) irrigate rice paddy 1





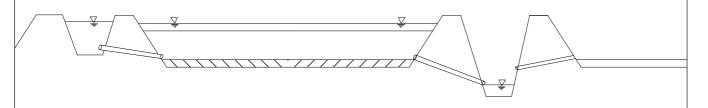




(1220) Improve drainage

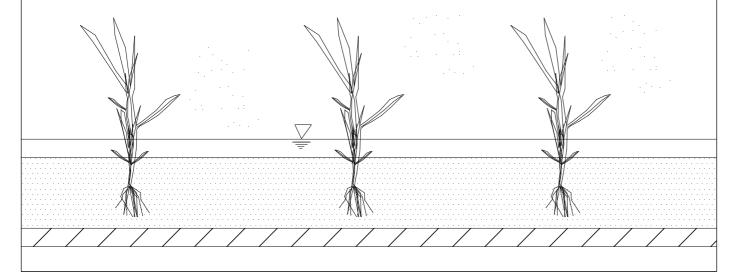
Aqueduct Drainage canal irrigate a rice paddy

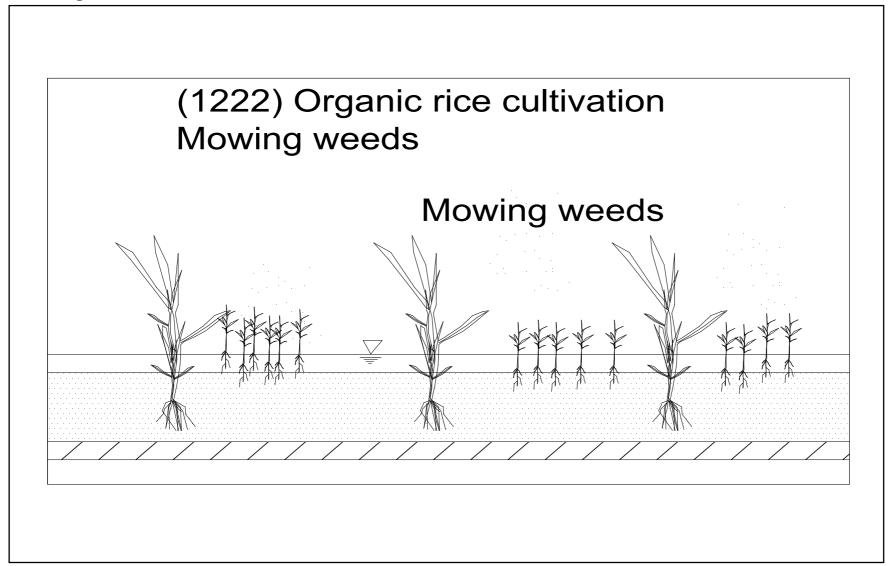
drainage
drain the water
Returning the wet field
to the dry field crop conversion
rice field— Paddy field
under drainage



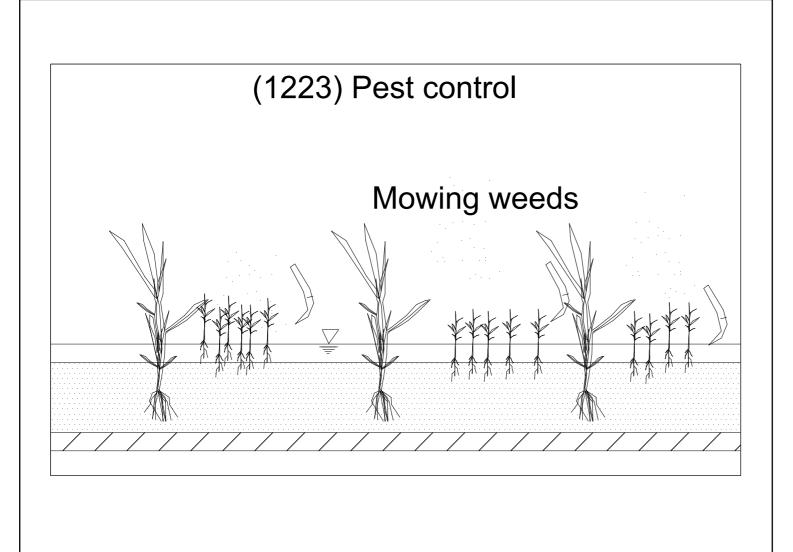
(1221) Organic rice cultivation

Chemical fertilizer and pesticides-Lots of harvest -environmental influences human body and nature Do not use chemical fertilizer and pesticides

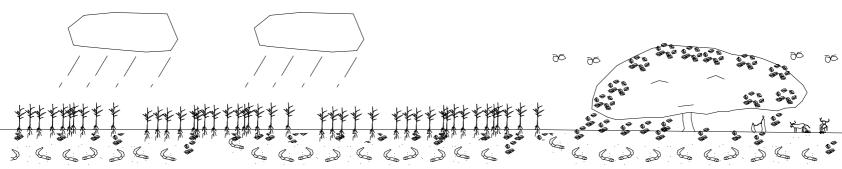




(1223) Pest control



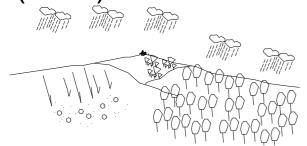
(1224) Soil Protect Global environment



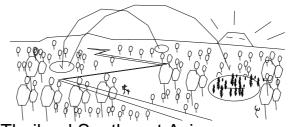
- 1 Plant leaves weaken the power of rain
- 2 Prevent the soil from flowing
- 3 Hazardous substances-decomposition by microorganisms
- 4 Nutrient-absorption
- 5 Soil clean air
- 6 Soil clean water
- 7 Water storage
- 8 Groundwater

- 9 Soft soil
- 10 Increase the number of creatures
- 11 Water-evaporation
- 12 Temperature-lower
- 13 Absorbs carbon dioxide to make oxygen

(1225) Soil flows when the forest disappears

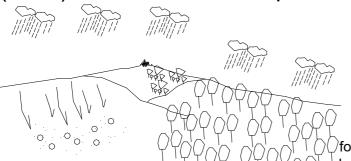


- 1 burnt farming slash-and-burn agriculture
- 2 Cut tree
- 3 the traditional "slash and burn" method of clearing land
- 4 dry-land rice for 1 year
- 5 leave land fallow for 10 years
- 6 Soil erosion-does not occur



- 7 Thailand Southeast Asia
- 8 dry-land rice
- 9 Sowing seeds
- 10 Moat stick
- 11 Seeding hole
- 12 Do not break the surface of the soil
- 13 Ash and organic matter become nutrients

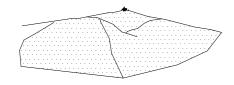




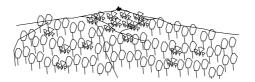
heavy rain
Naked soil
without plants
A lot of soil is
washed away
Sand-weak ties

Interpret of the control of the cont

(1228) Forest is created, soil is also created



cut trees-the forest is gone bare hill -soil runoff



tree planting forest soil

(1229) Too much compost-manure-nutrients (1229) Too much compost-manure-nutrients overfilling nitrogen fertilizer Phytoplankton (blue-green algae) Aquatic organisms (fish) die

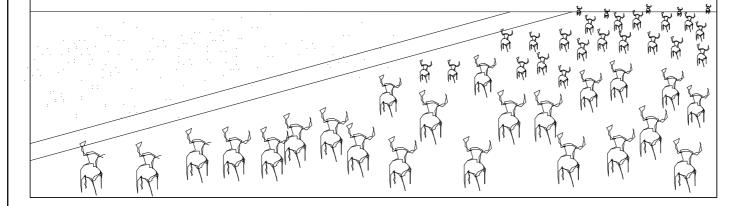
(1230) Dioxin (1230) Dioxin Chemicals-Burning Low temperature incinerator of garbage Food chain 0000 Causes of cancer

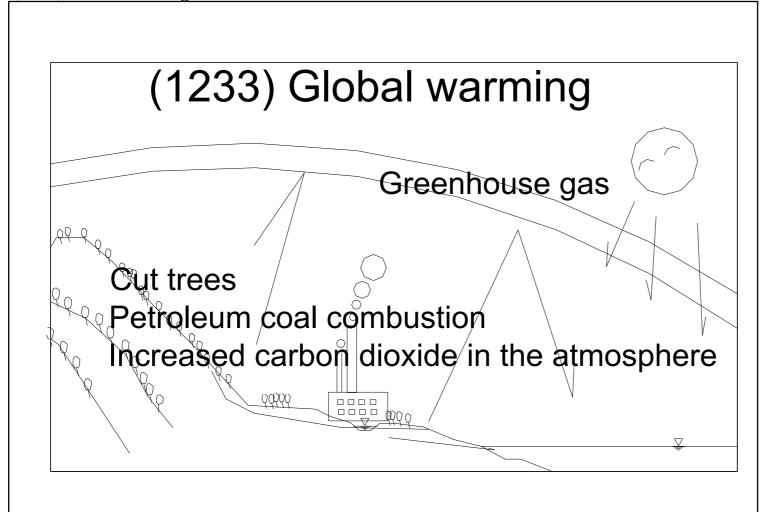
(1231) Compost kitchen waste turn garbage into compost (1231)Compost kitchen waste turn garbage into compost Soil Rice Garbage+ Bran Fallen Leaves Microbes Compost

(1232)Desertisation

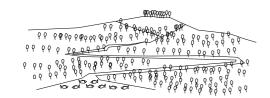
Cut down trees

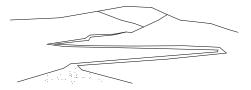
Keep livestock





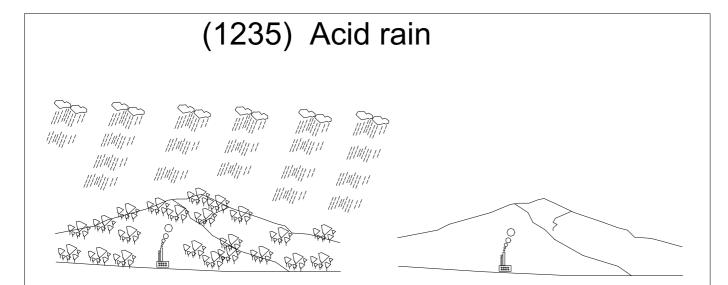
(1234) Cut down trees-The river becomes muddy





Beautiful river

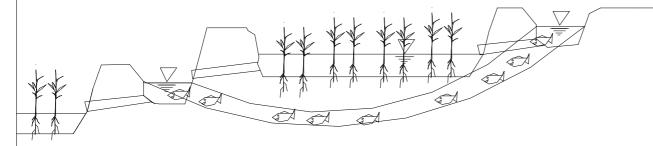
Muddy river



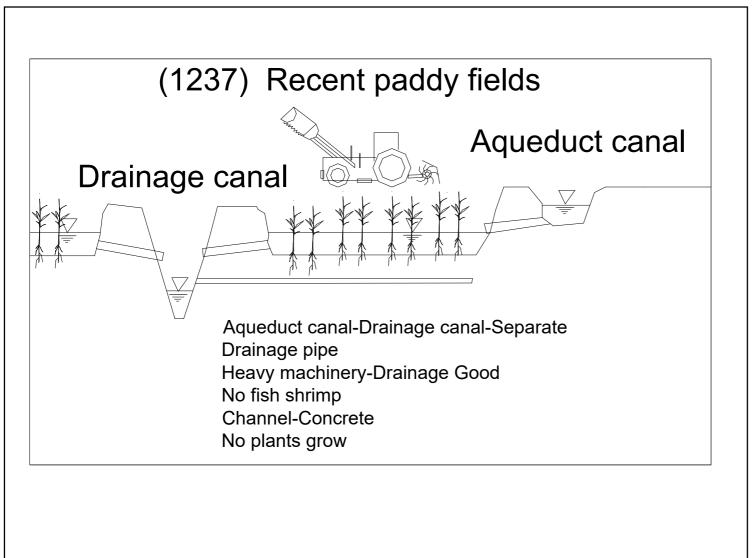
Nitrogen oxide-Nitric acid Sulfur oxides-Sulfuric acid (1236) Old paddy field

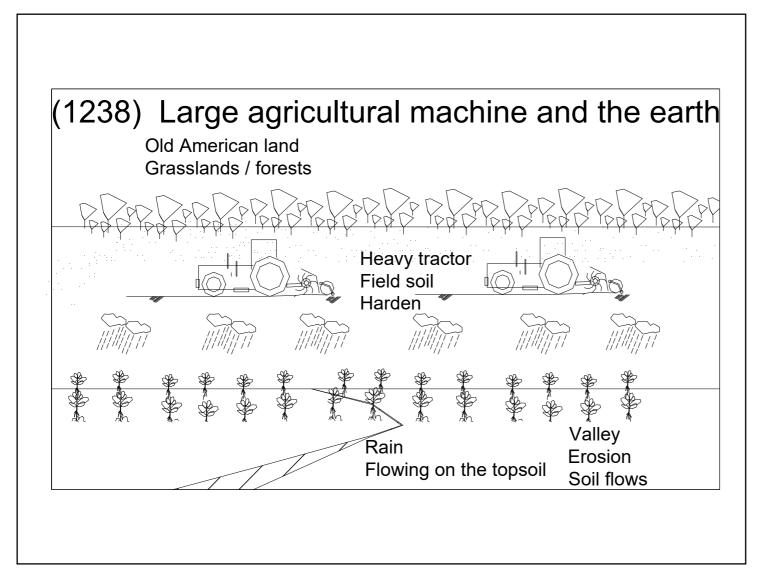
Aqueduct channel Drainage channel

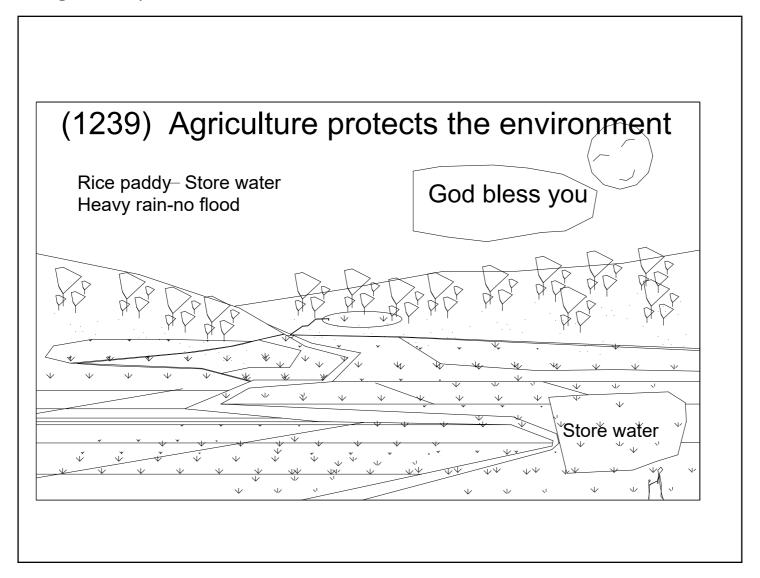
Aqueduct channel Drainage channel

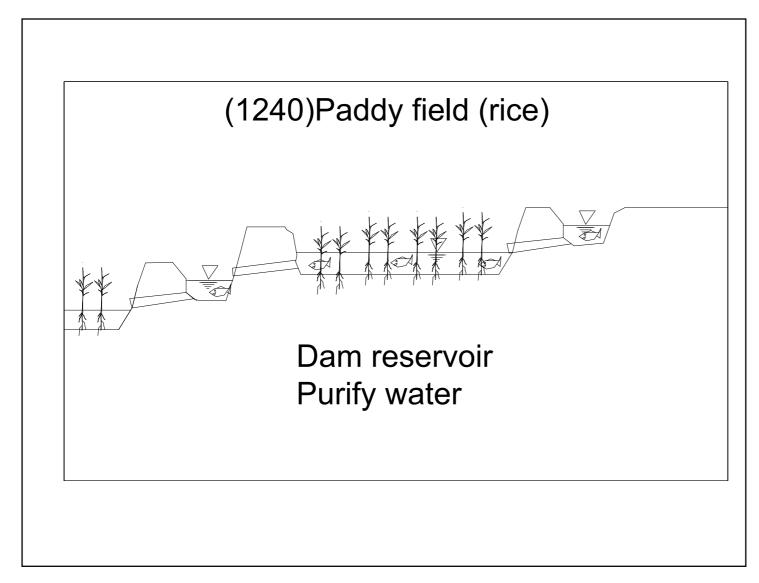


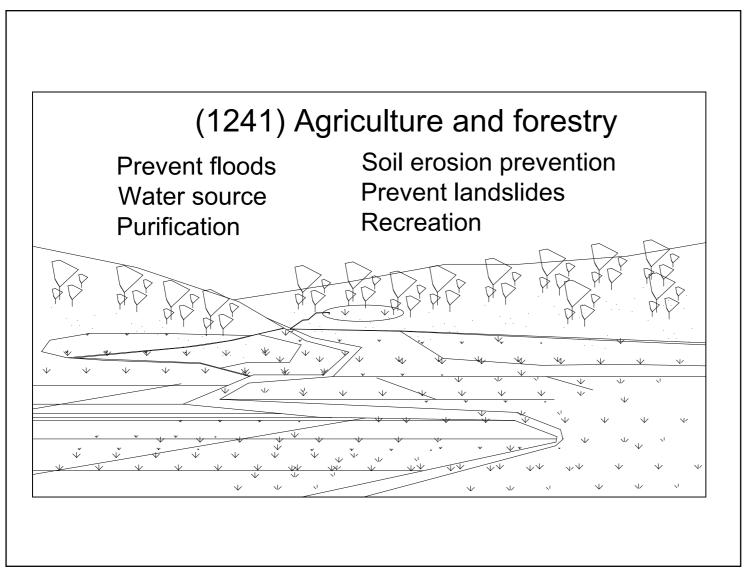
Add water and return to the same channel Fish Aquatic plants

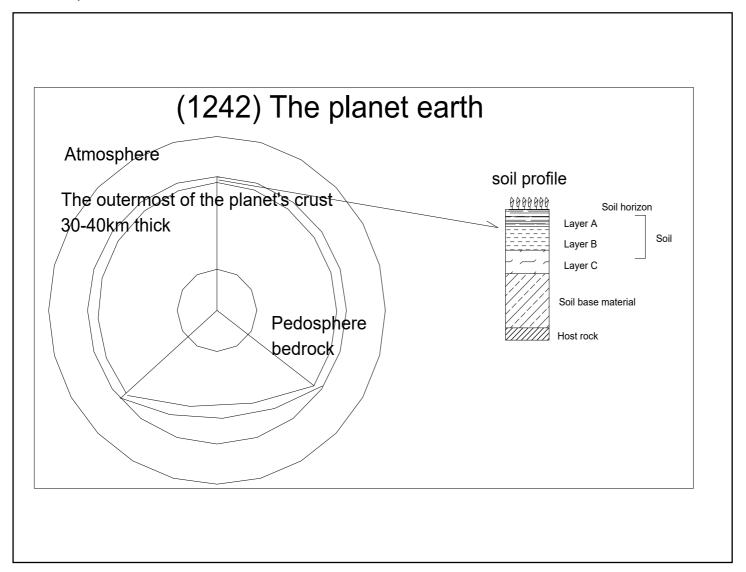






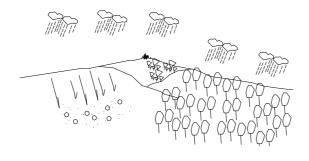


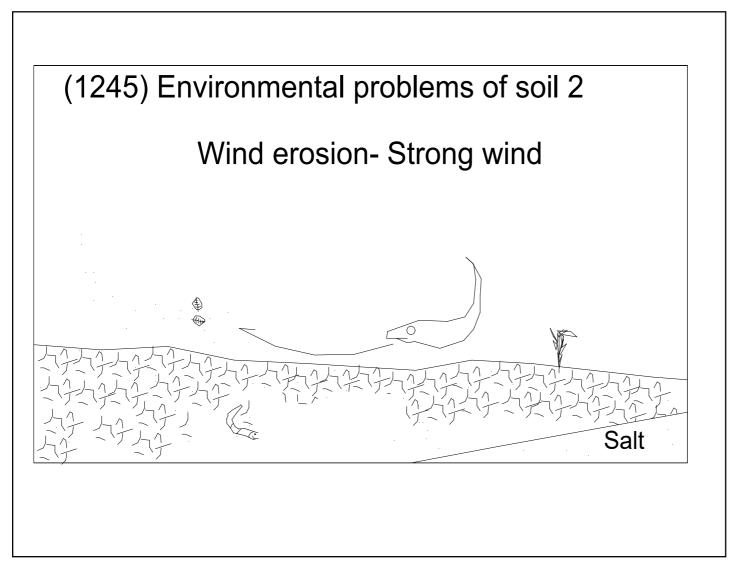




(1243) World Soil Map
Environmental problems of soil
Soil deterioration
Rainfall erosion -Heavy rain
Wind erosion- Strong wind
Chemical deterioration-Salt accumulation
Physical deterioration -The soil hardens
Excessive [undue] environmental degradation
-Unused wasteland
the area of water

(1244) Environmental problems of soil 1 Rainfall erosion -Heavy rain





(1246) A lot of plants

- 1The soil does not flow due to rain
- 2 In the soil-microorganisms
- 3 Root breathing
- 4 Good drainage
- 5 Good air passage
- 6 Roots absorb nutrients
- 7 Incorporating carbon dioxide and producing oxygen Photosynthesis
- 8 Plant-corrosion

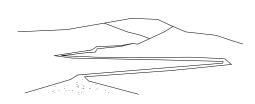


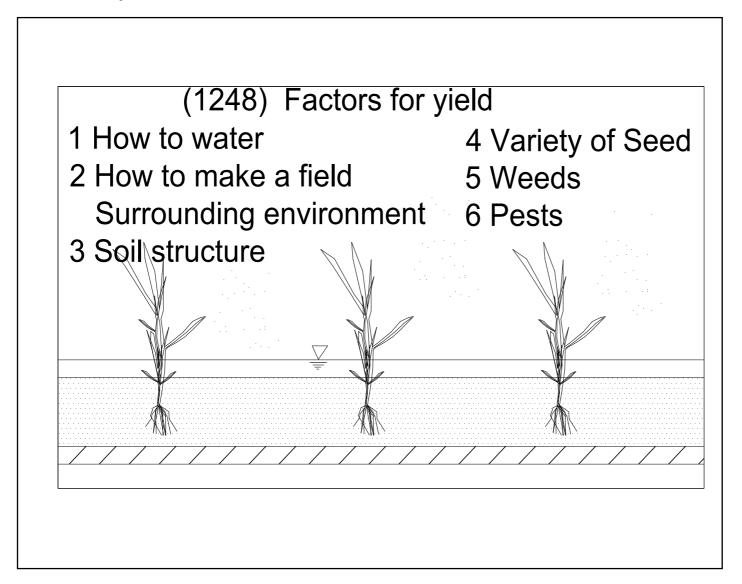
(1247) No plants

Heavy rain

- 1 Soil flows due to rain
- 2 The soil becomes hard and is blown away by the wind
- 3 roots can't breathe
- 4 Poor drainage
- 5 Poor air passage
- 6 Nutrient absorption
- 7 Water evaporates The soil is dry
- 8 Increase in carbon dioxide and increase in temperature
- 9 Overuse of chemical fertilizer
- 10 Salts -Accumulate on the surface of the earth
- 11 Crop does not grow





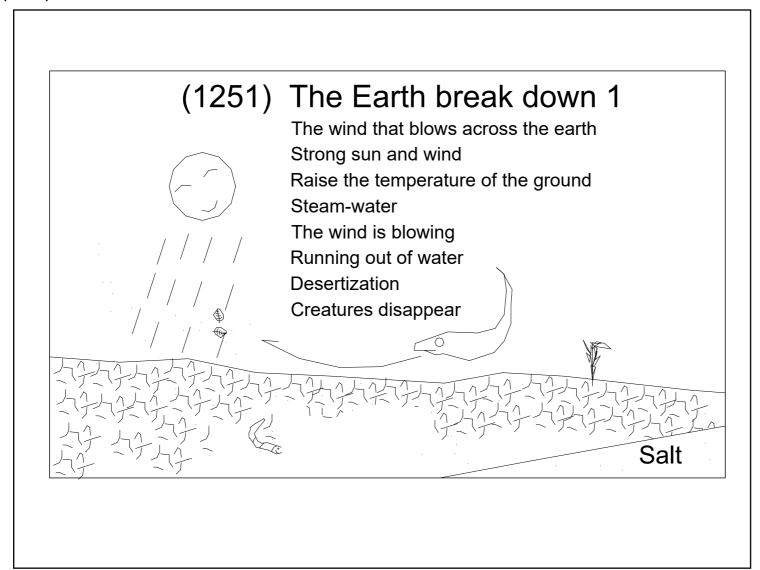


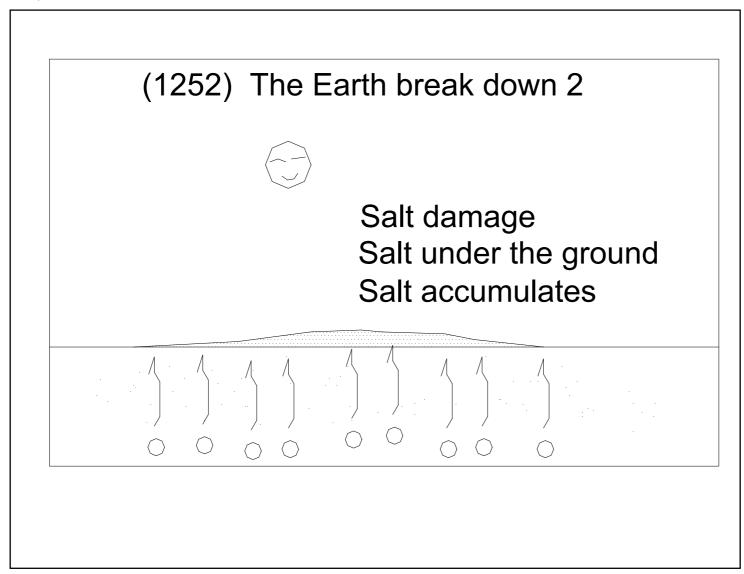
(1249) Fertilizer 1 Compost Fallen leaves Straw livestock droppings

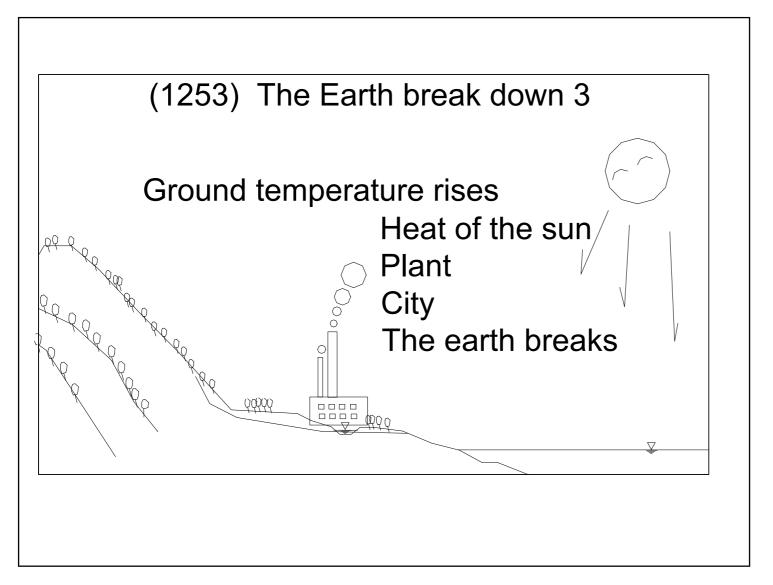
- 2 Organic fertilizer Soybean fish built-in Animal and plant waste Dried powder
- 3 Chemical fertilizer : three main macronutrients dipotassium phosphate Nitorogens phosphorus -

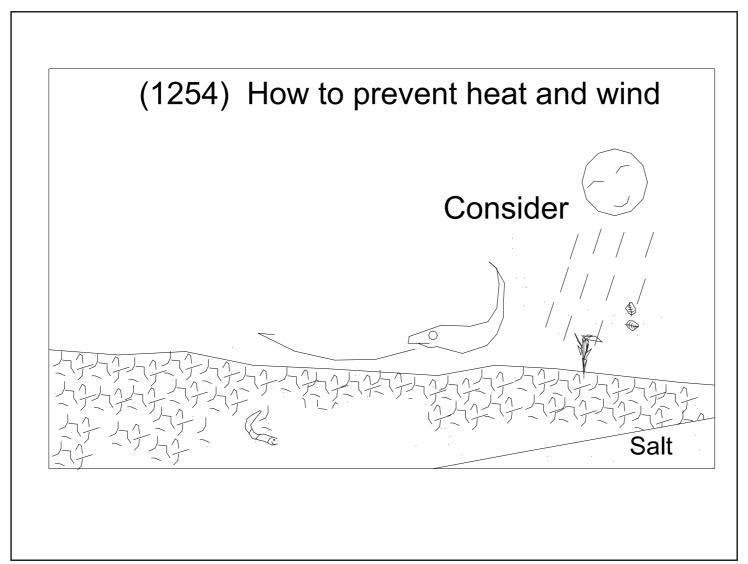
Kalium chemical manufacture

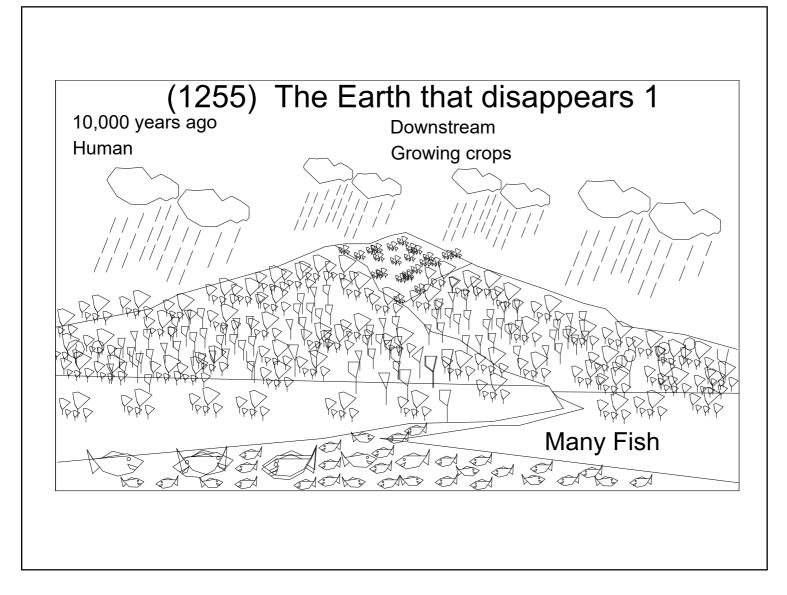
Garbage+ Rice Fallen Bran Leaves Compost (1250) The amount of soil that decreases due to rain (1250) The amount of soil that decreases due to rain forest grassland field rough land Z

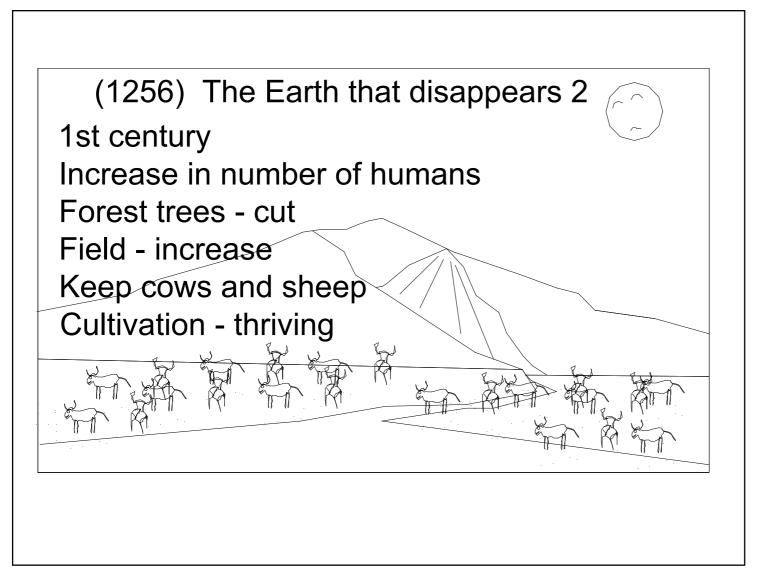


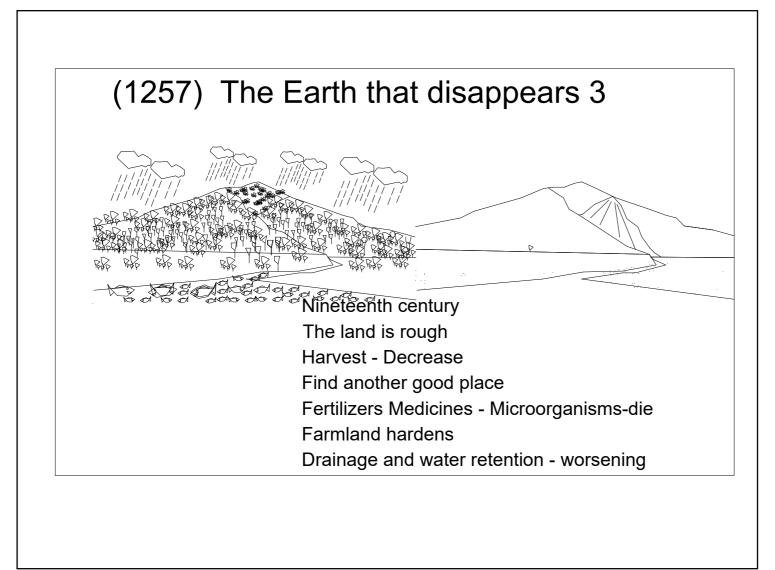


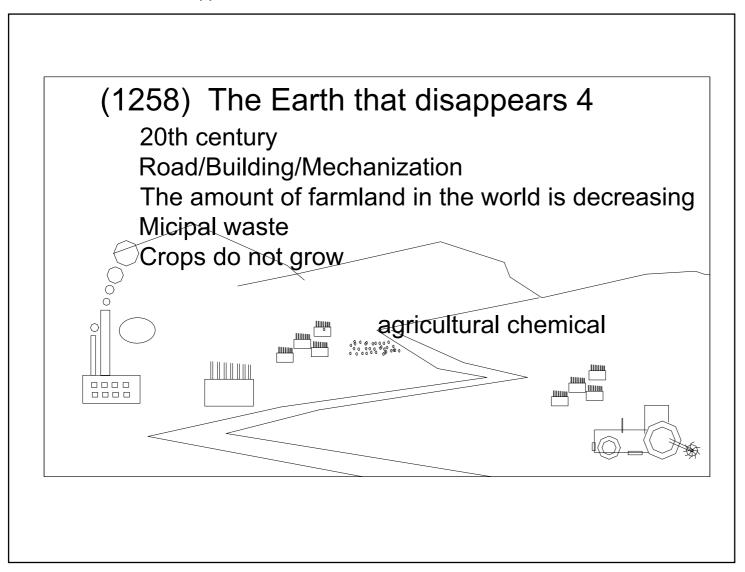










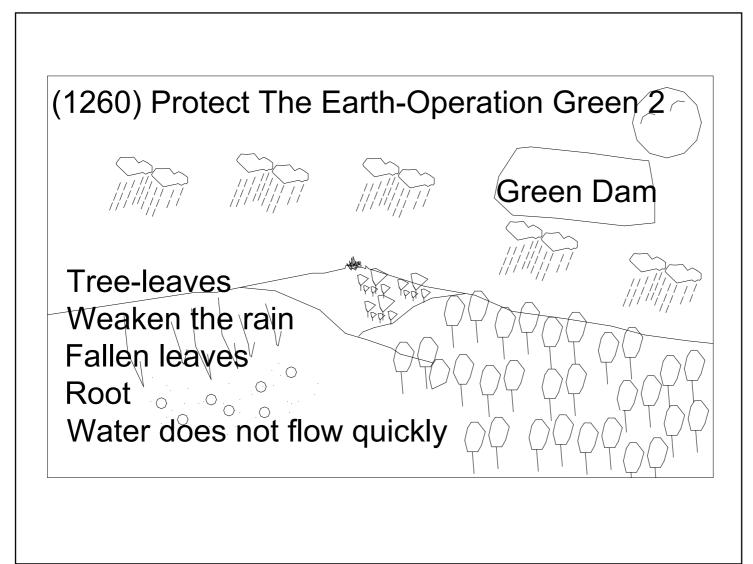


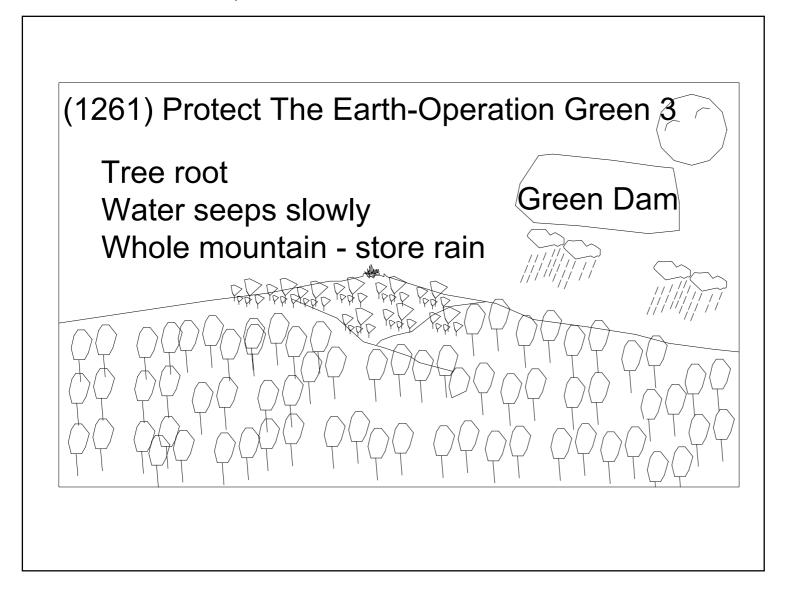
(1259) Protect The Earth-Operation Green 1

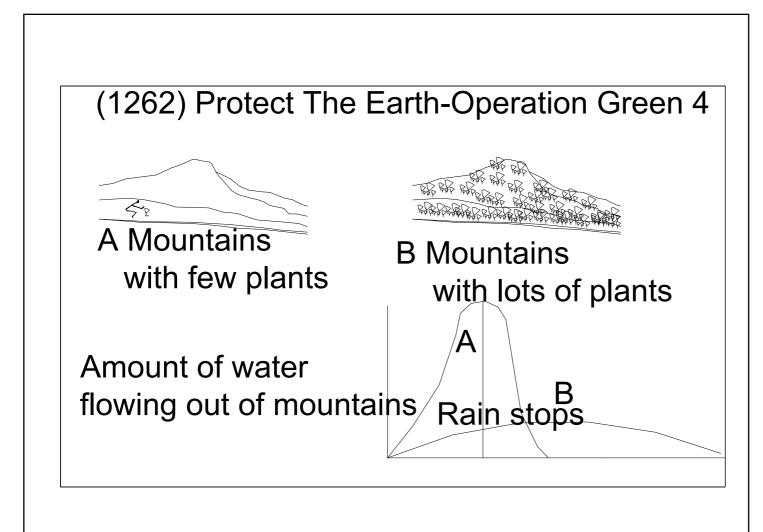


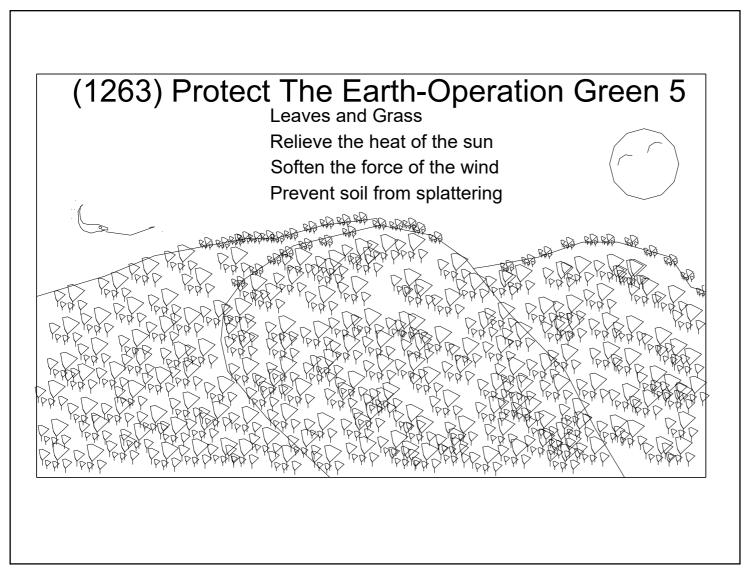


Sediment runoff prevention Plant a tree Create woods and forests







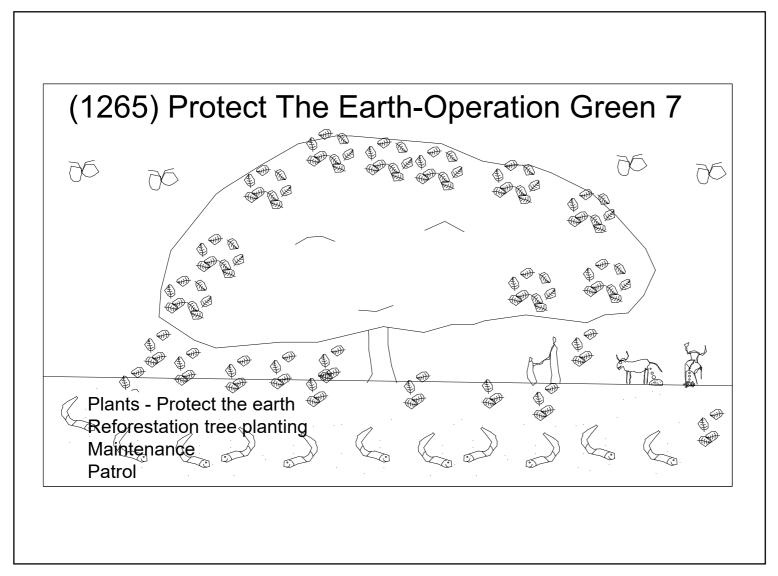


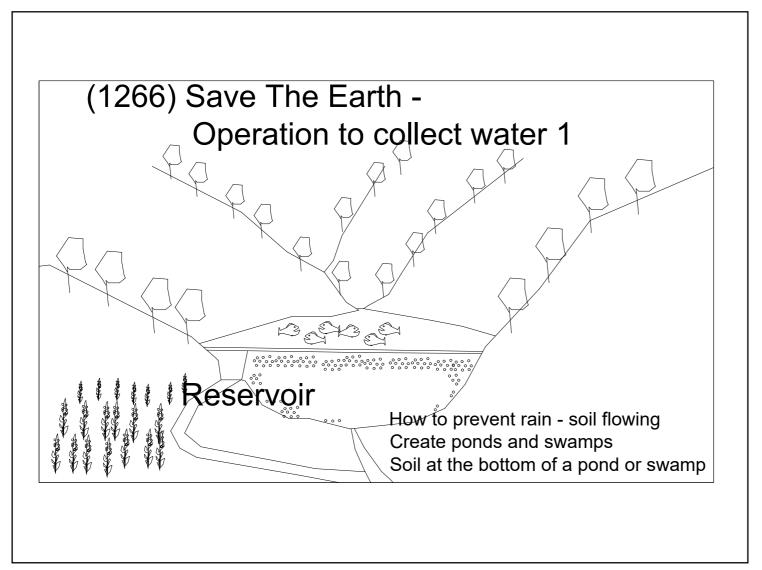
(1264) Protect The Earth-Operation Green 6

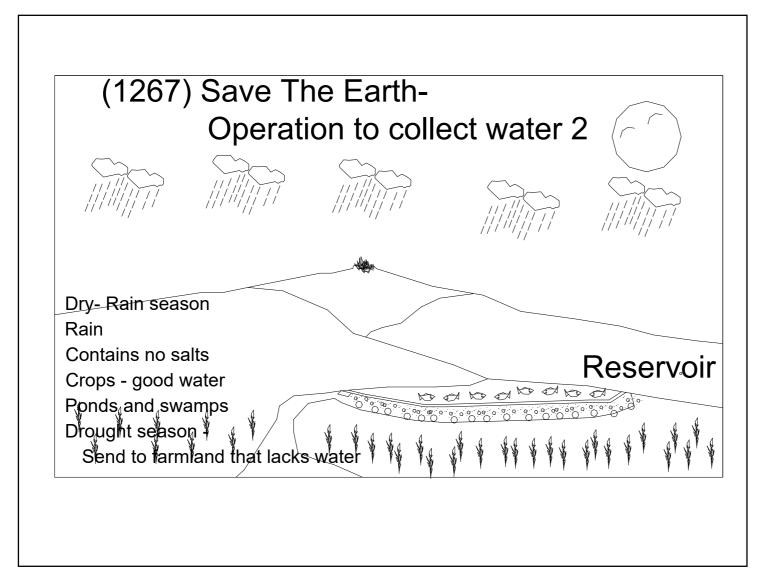
Plant - Decay Green increase Rain, Heat, Wind Prevent soil loss

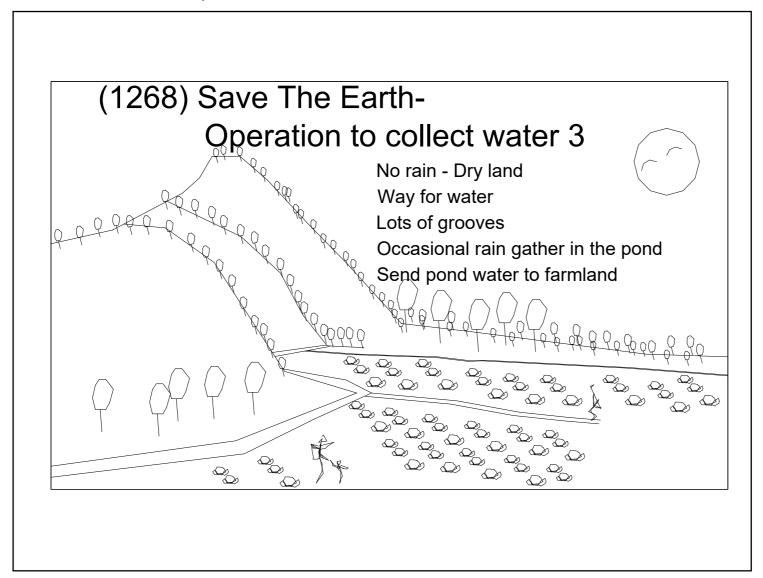


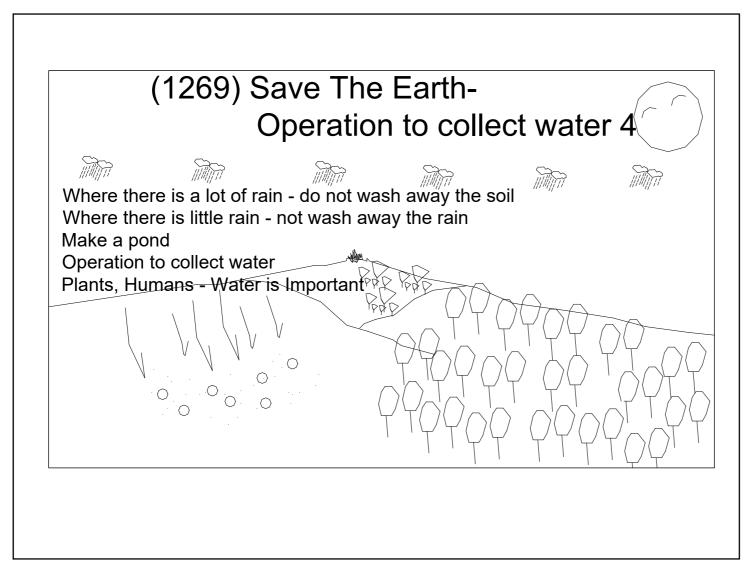


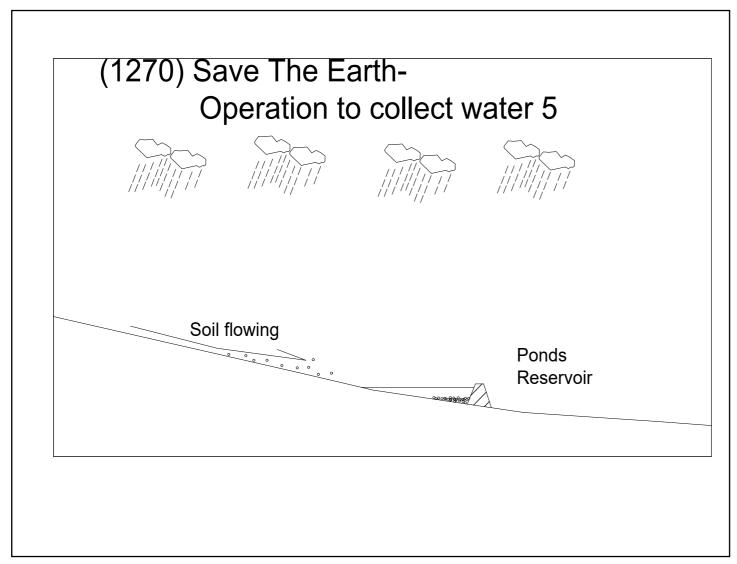


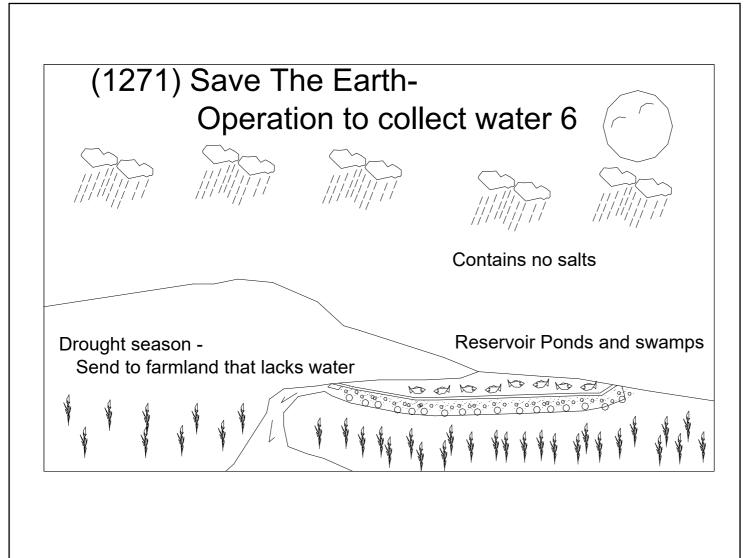


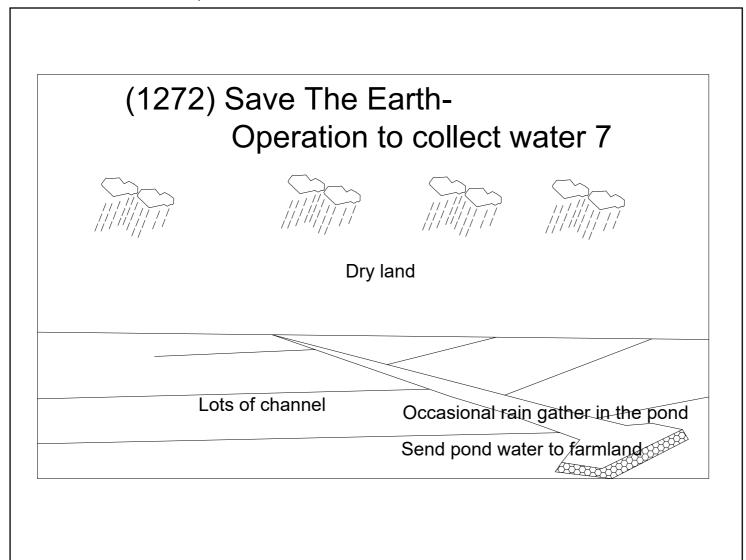


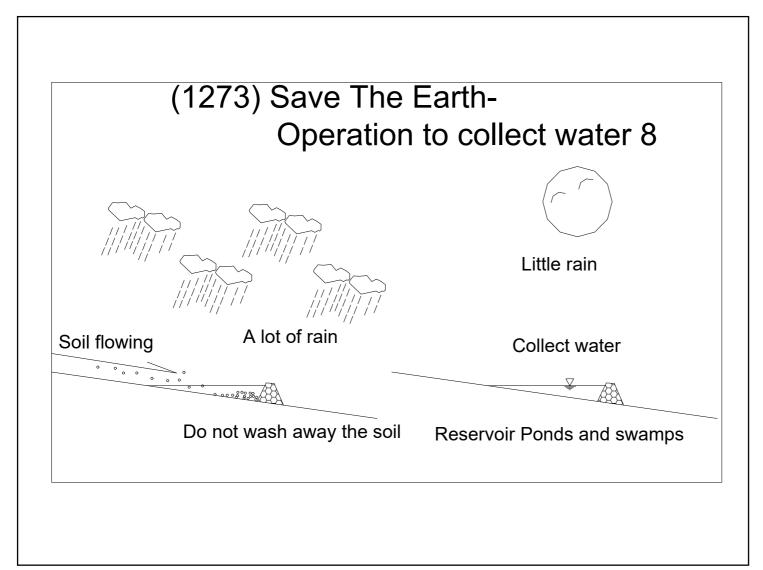


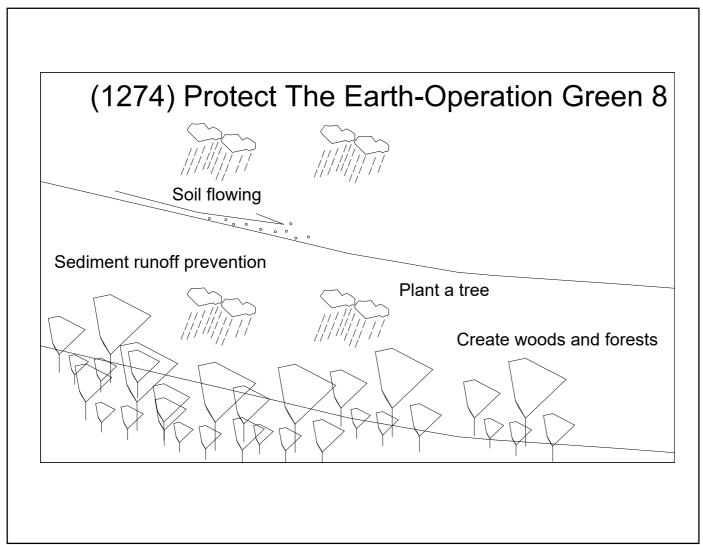


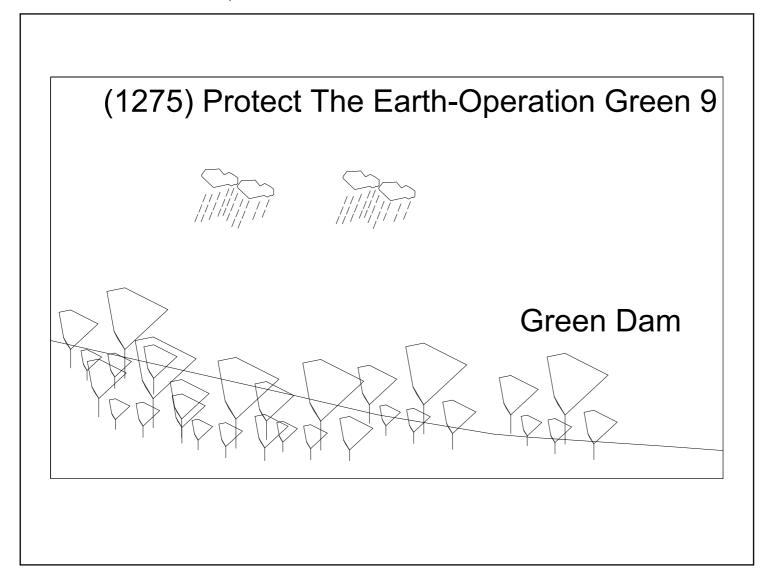


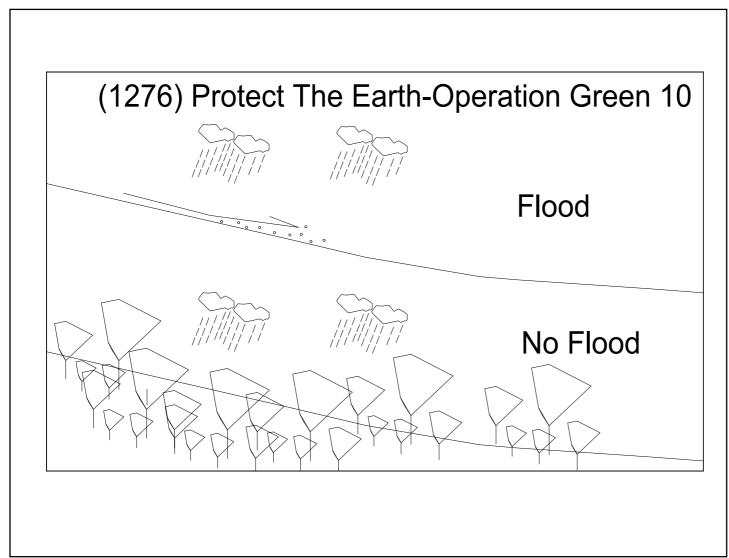


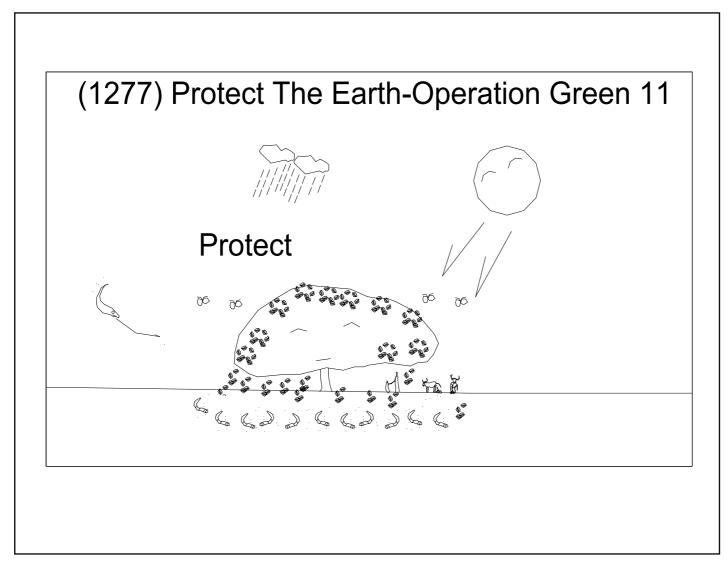


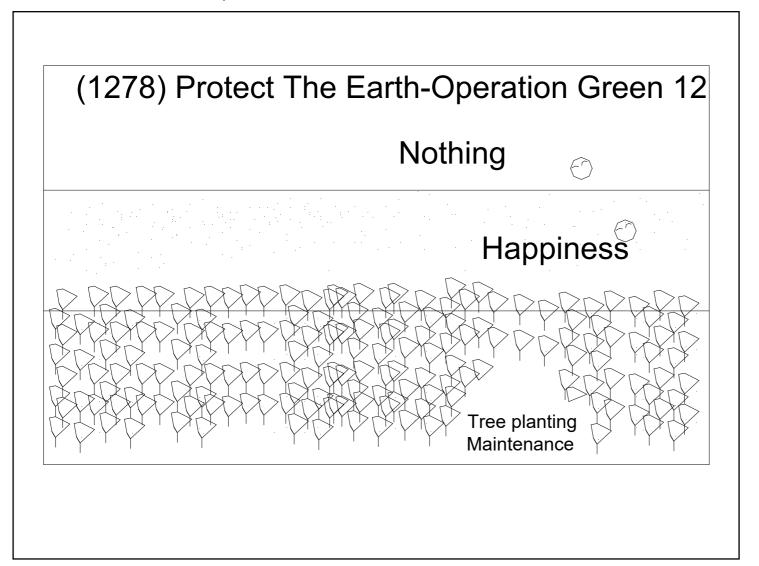


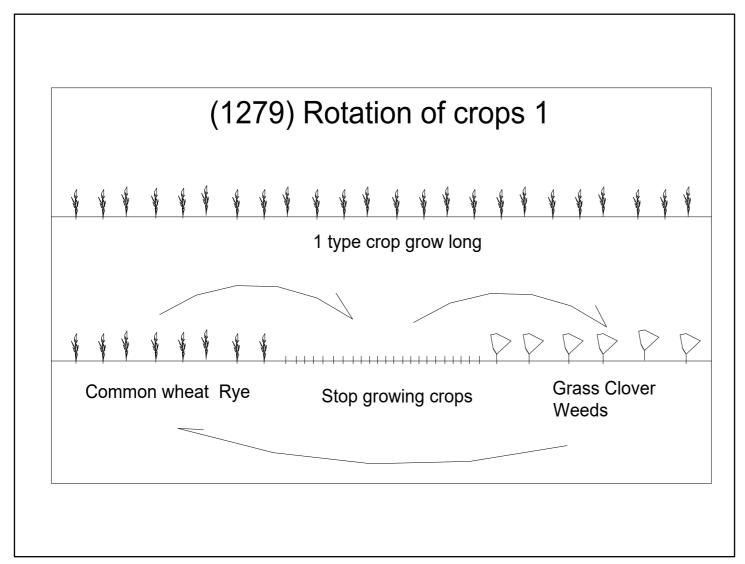


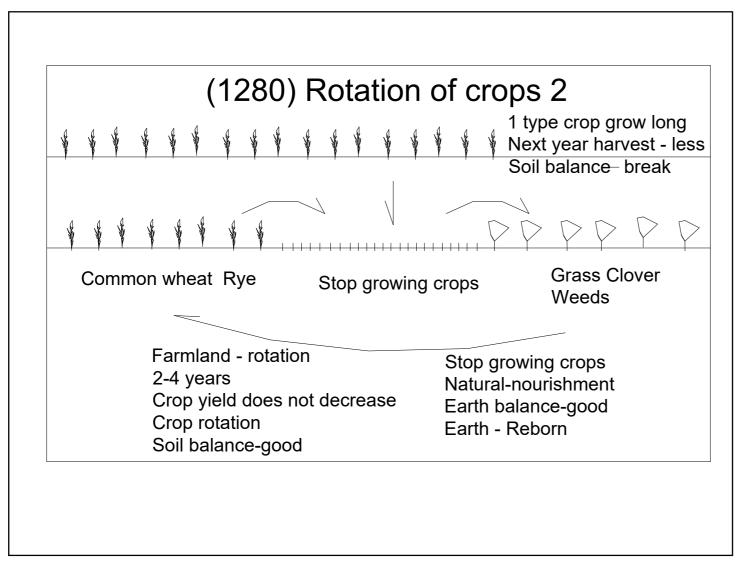


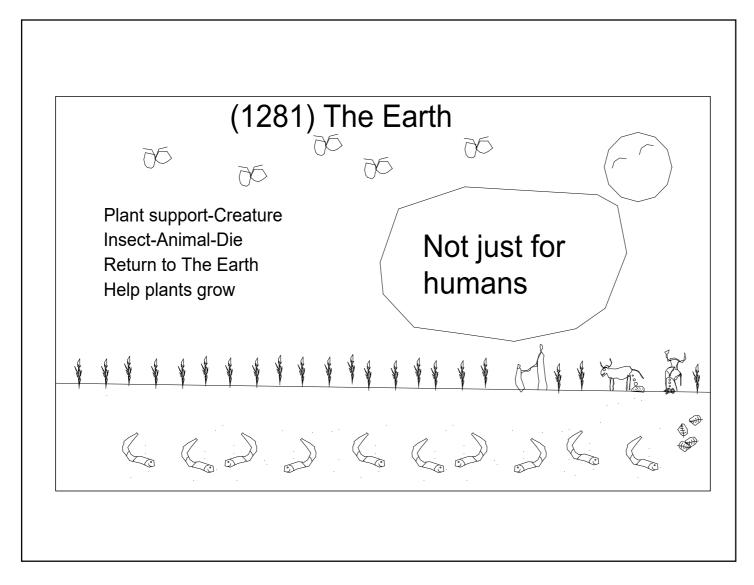




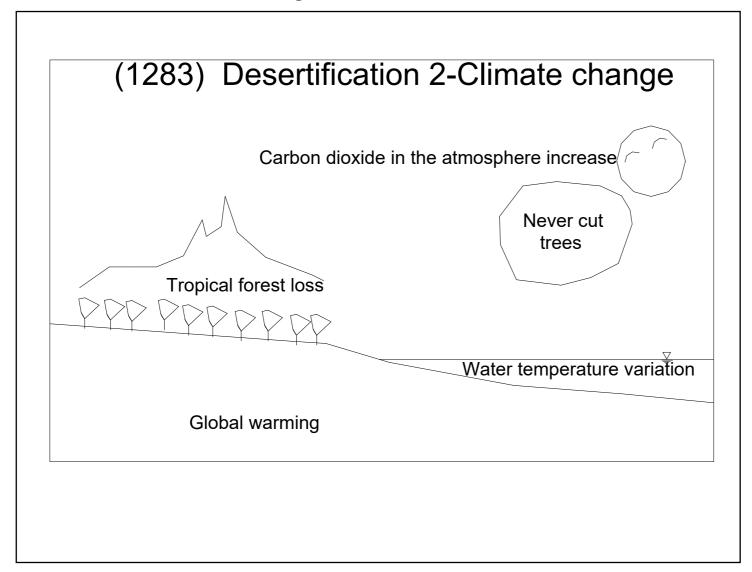


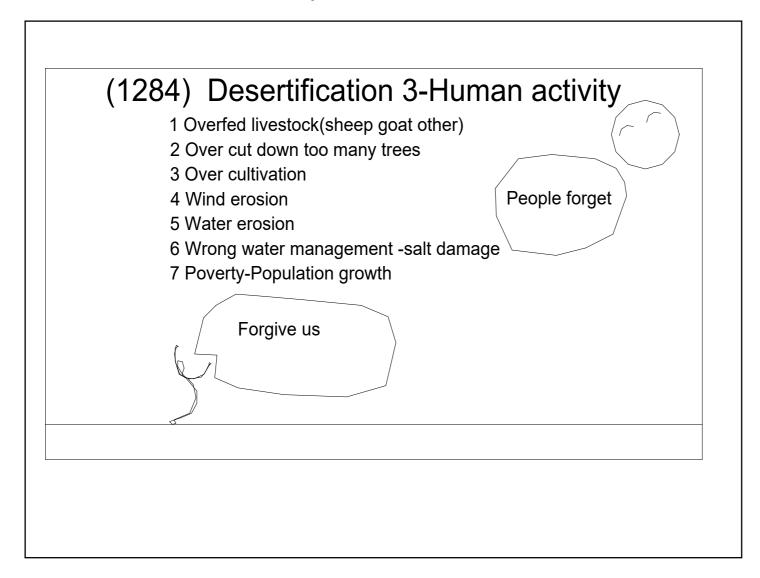


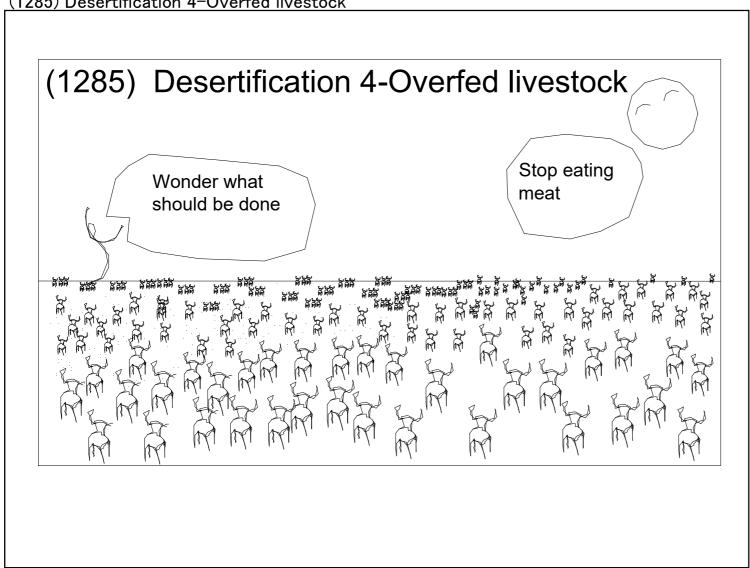


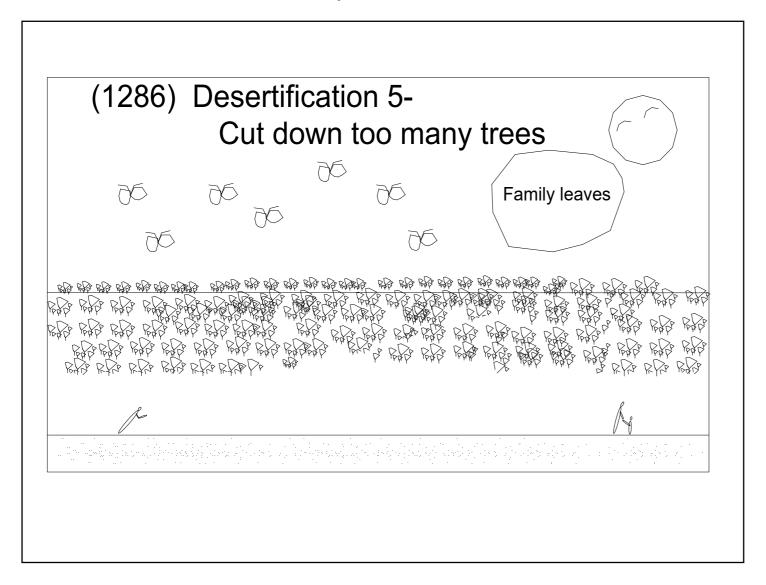


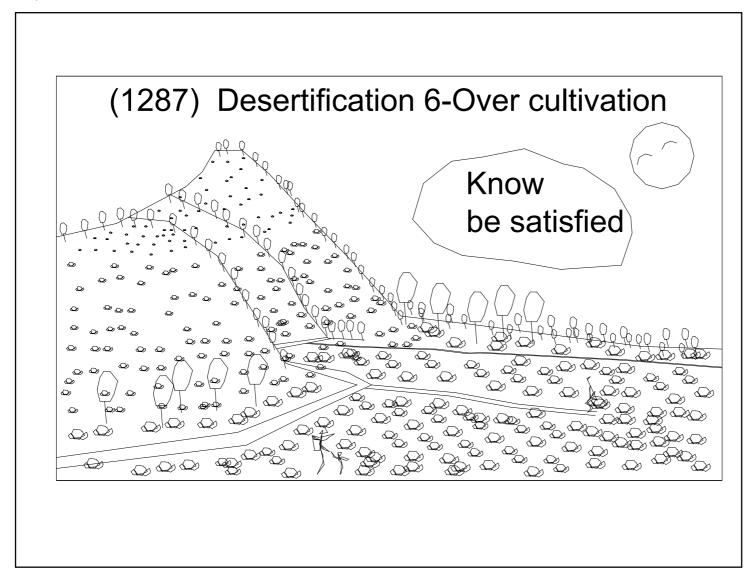
(1282) Desertification 1 1 Climate change 2 Human activity-barren land-human factor 3 Overfed sheep-goat 4 Cut down too many trees 5 Over Cultivation 6 Wind erosion 7 Water erosion 8 Wrong water management -salt damage 9 Poverty-Population growth

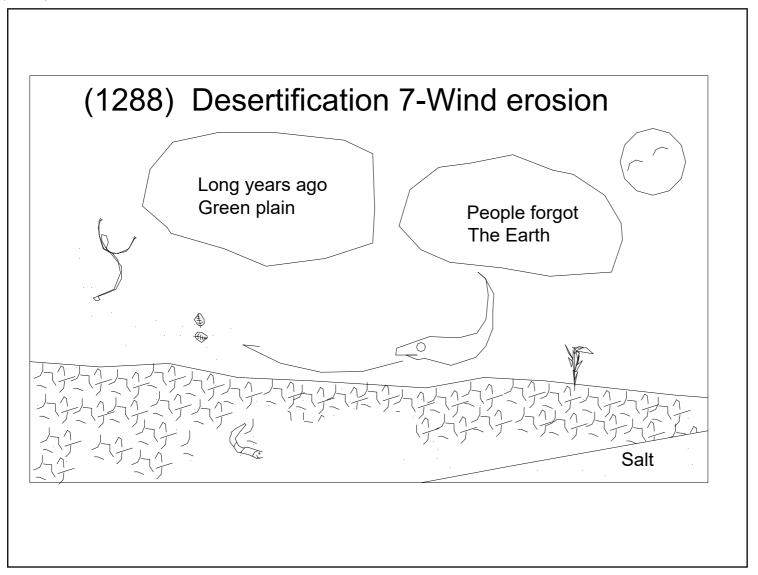


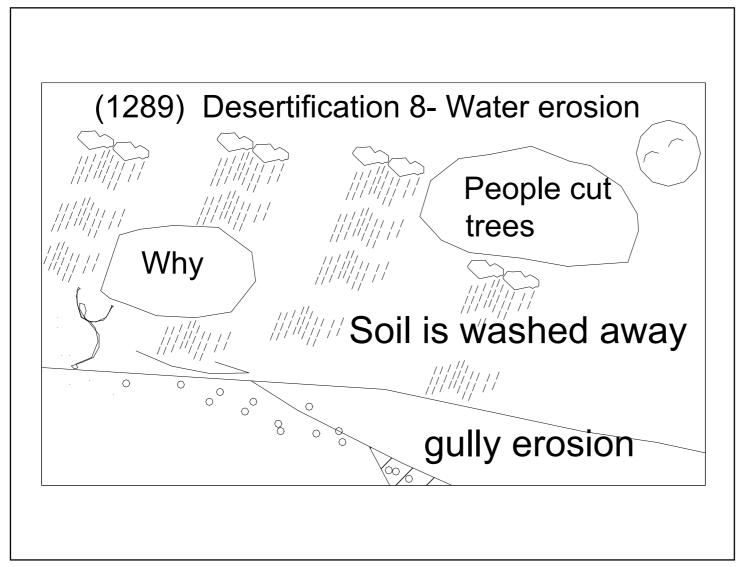


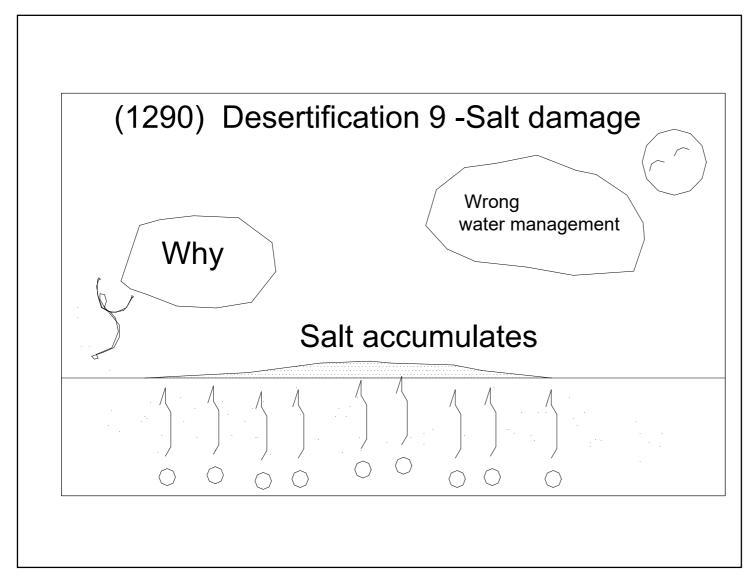


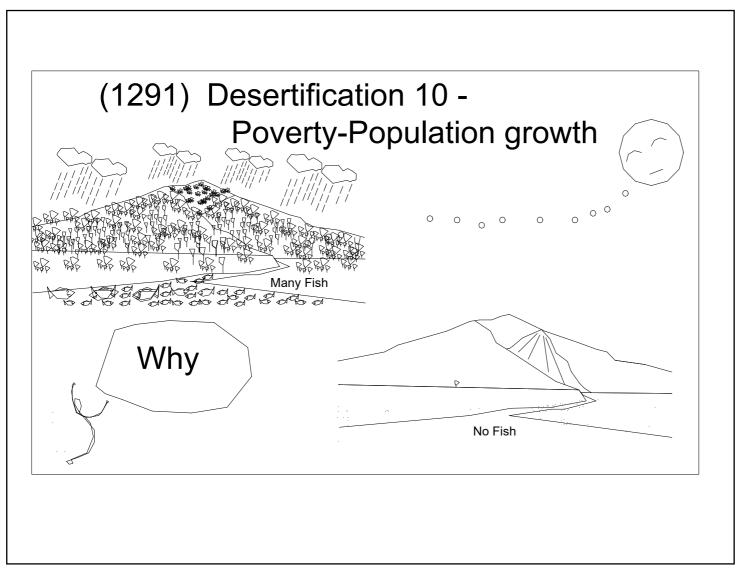


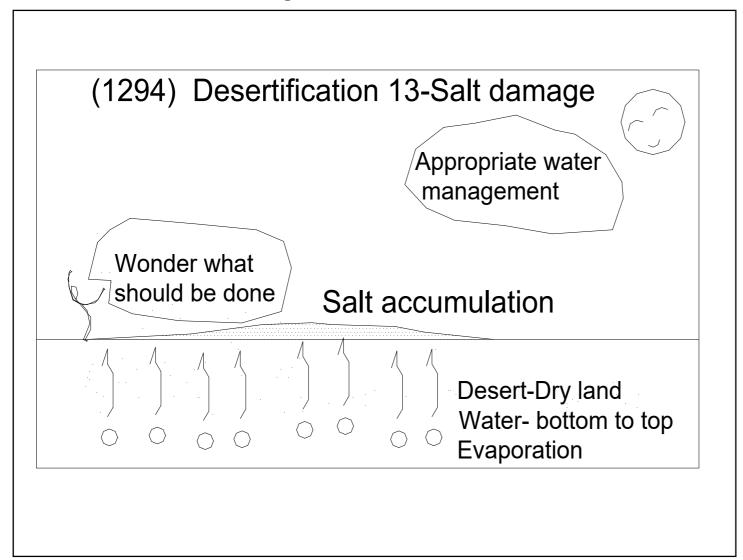


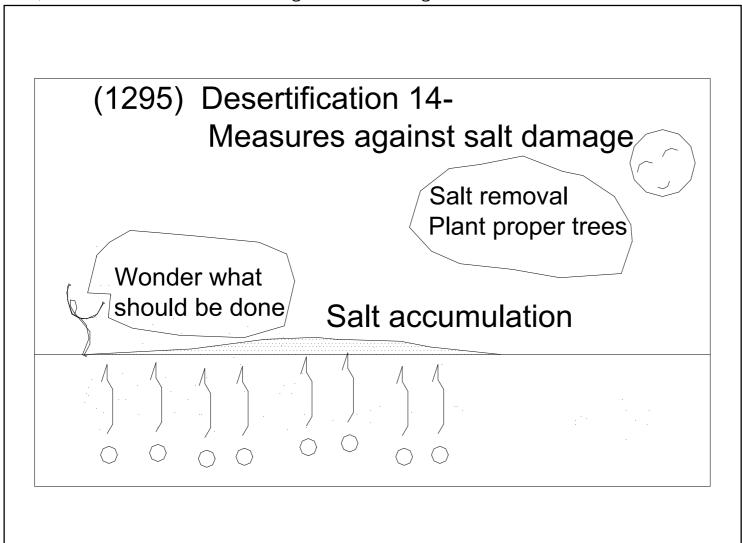


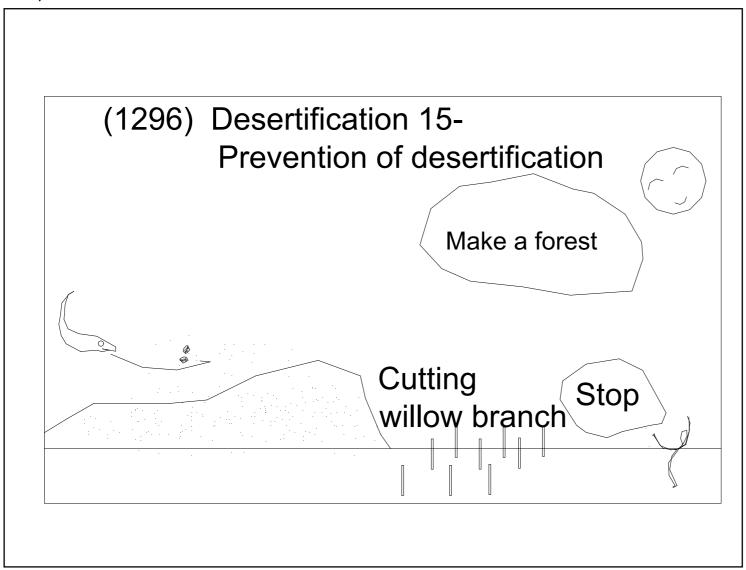












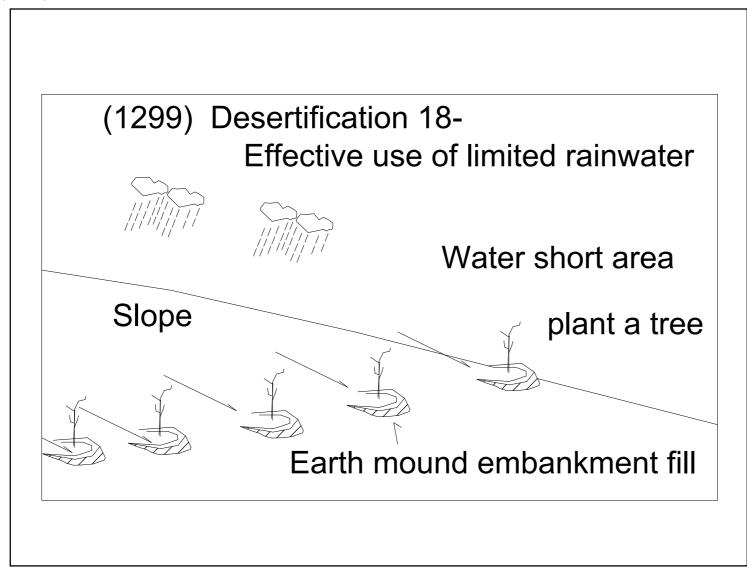
(1297) Desertification 16-Low fence Reducing technique drift sand

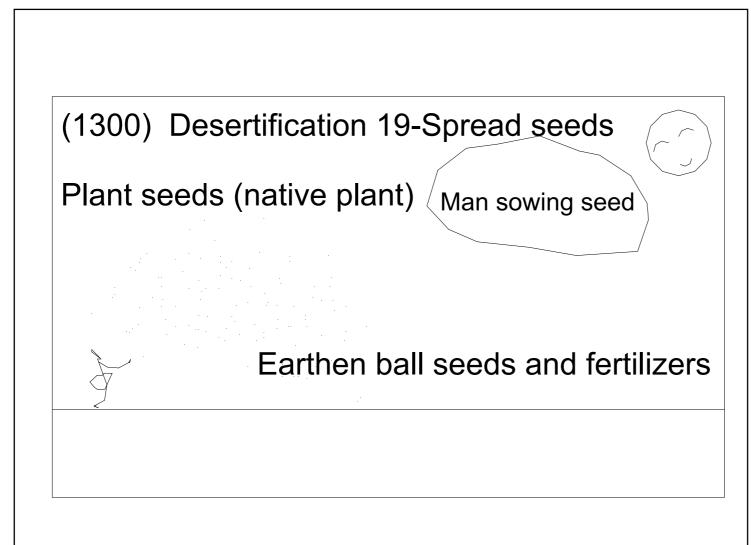
Tree branch or Straw-Pushed into the sand Im x 1m mesh pattern Wait

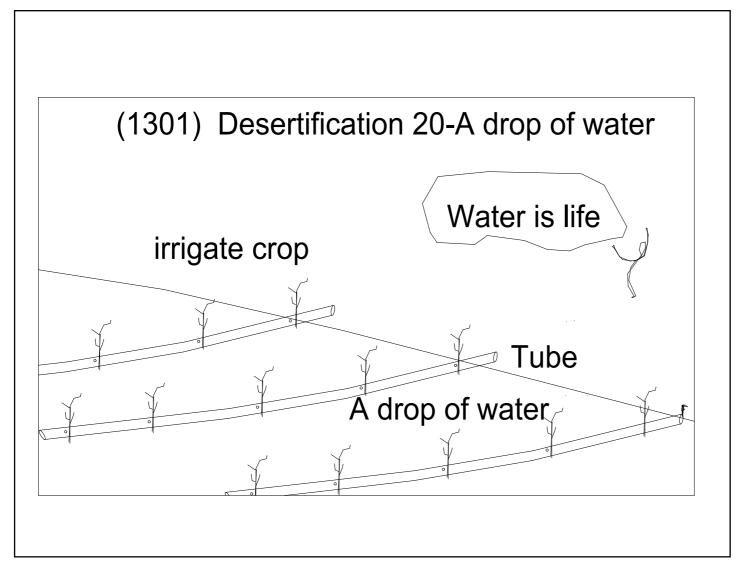
Fruit

(1298) Desertification 17Dry land What kind of trees to plant?
Tree planting
No money or hassle
Resistant to drying
Livestock feed

Use plants that grow naturally in the land Know Enough





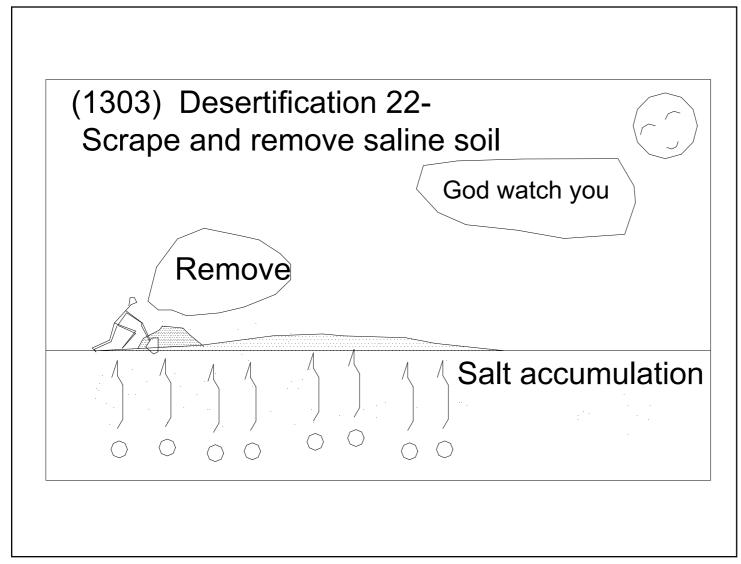


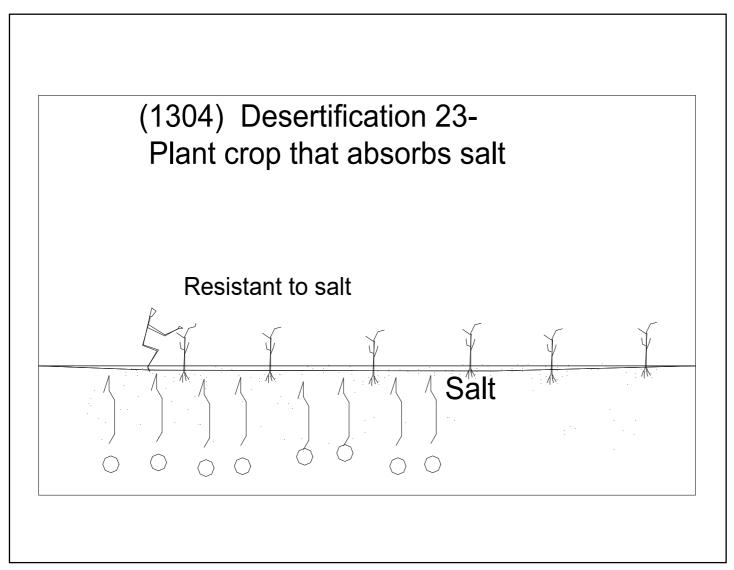
(1302) Desertification 21-How to improve saline soil

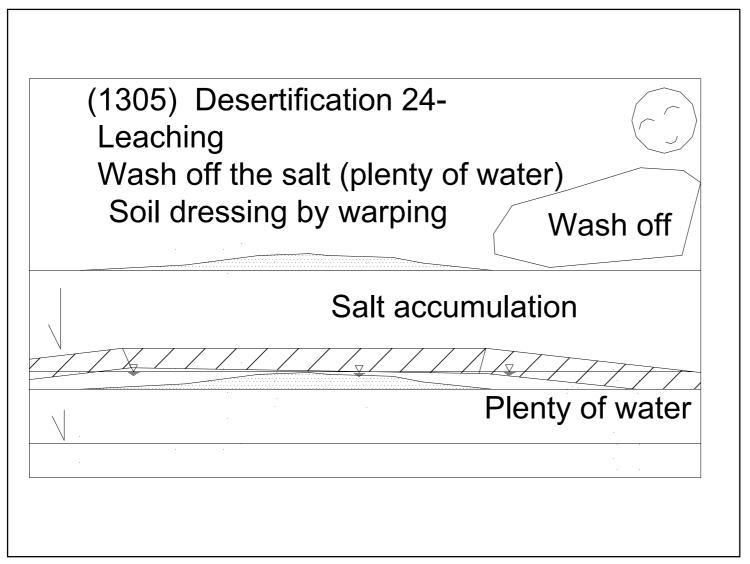
Scrape and remove saline soil

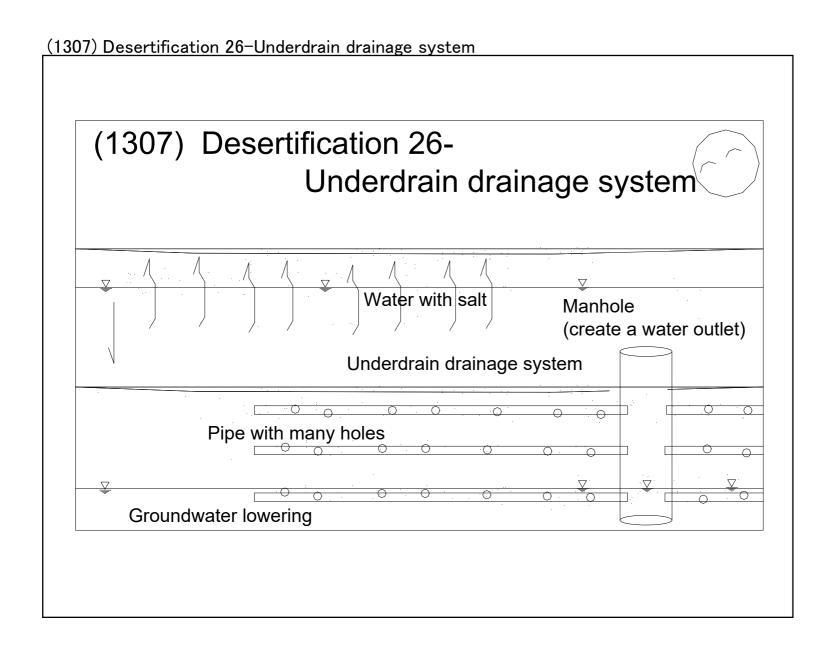
Plant crop that absorbs salt

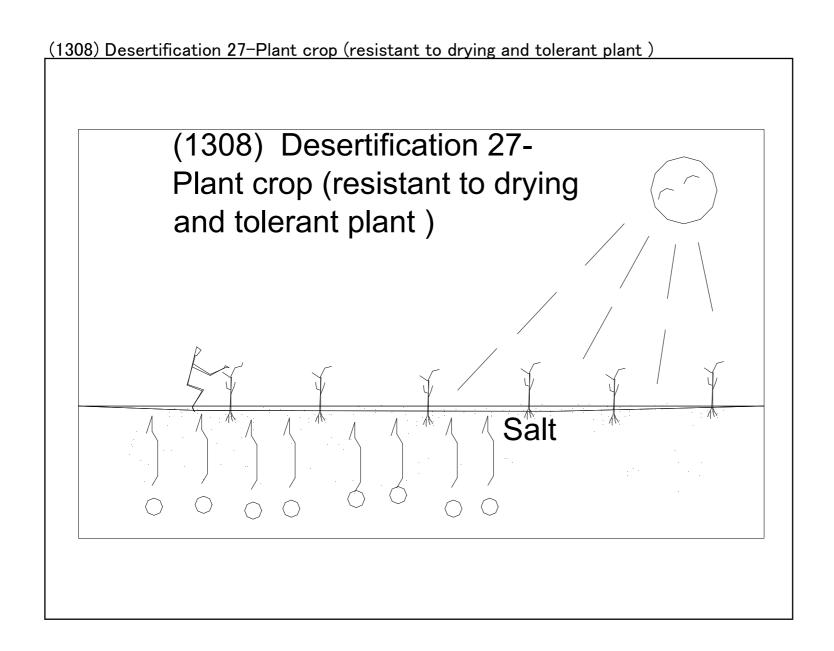
Leaching
Wash off the salt (plenty of water)
Soil dressing by warping









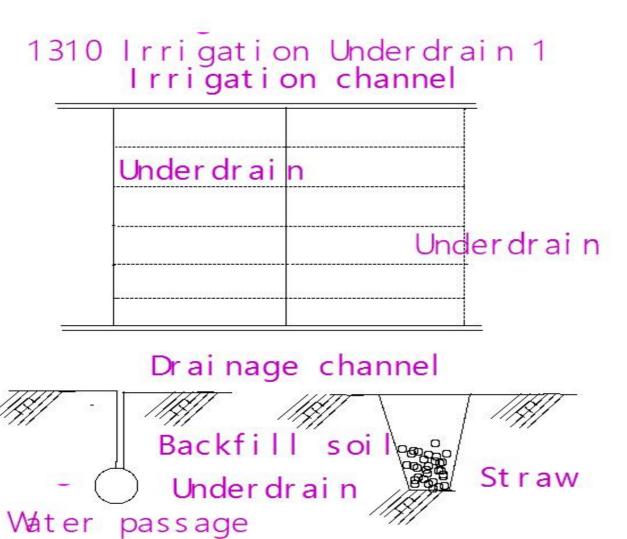


(1309) Desertification 28-Sustainable agriculture

Appropriate soil and water management

Environmental conservation

Technology and mechanism



(1311) Irrigation Underdrain 2

1311 Irrigation Underdrain 2 Irrigation channel

Under drai	n Underdrain
	Groundwat er
	Residual surface wate
	Gravity water

Drainage channel

Underdrain

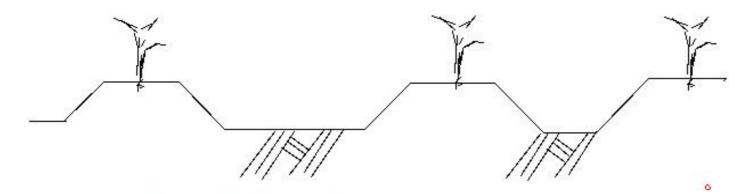
Underdrain

Underdrain

Water supply facility

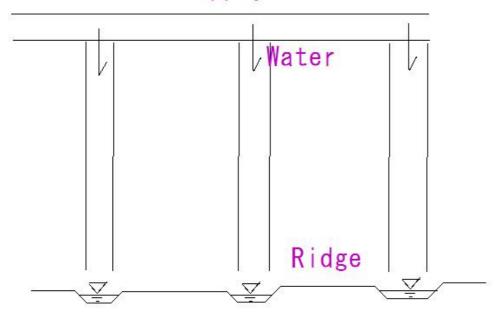
(1312) Irrigation Skip Furrow Irrigation

1312 Irrigation Skip Furrow Irrigation



Upland farming Cultivation Ridge (1313)Surface Irrigation Skip Furrow Irrigation

1313 Surface Irrigation Skip Furrow Irrigation
Water supply channel

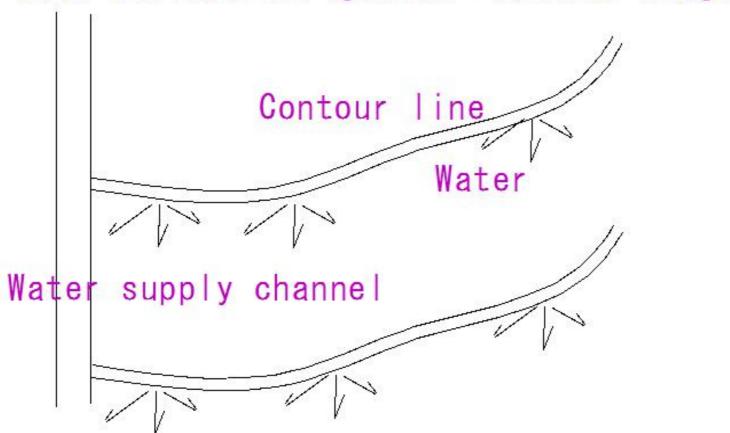


Skip Furrow Irrigation

1314 Surface Irrigation Border Water supply channel Pasture

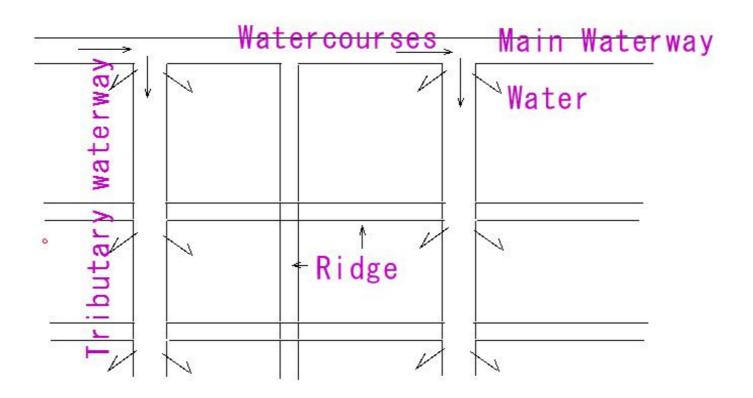
Border

1315 Surface Irrigation Contour Ridge

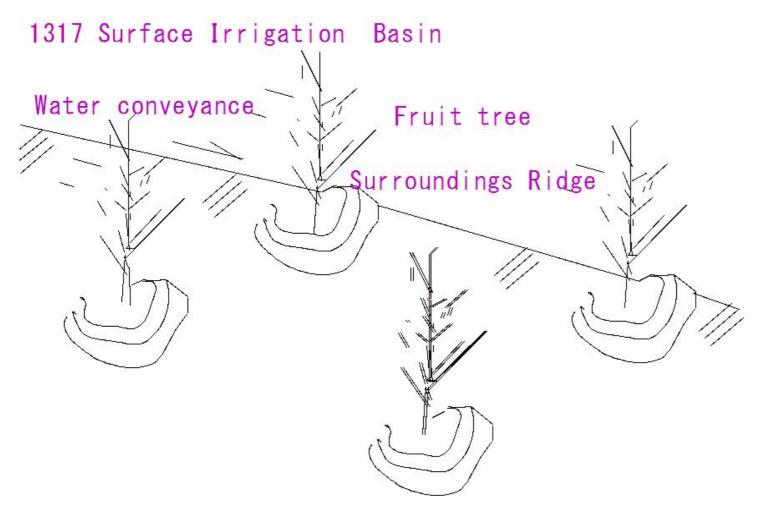


(1316) Surface Irrigation Division Method

1316 Surface Irrigation Division Method



(1317) Surface Irrigation Basin



(1318)Overflow Irrigation

1318 Overflow Irrigation

Branch waterway Sub-watercourses

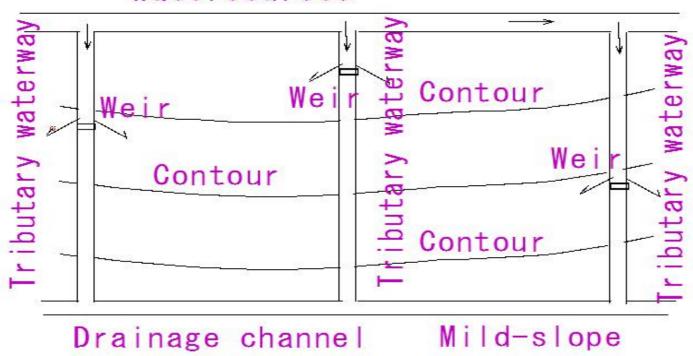
Water intake

Sloping cultivated land

(1319) Overflow Irrigation Watercourses

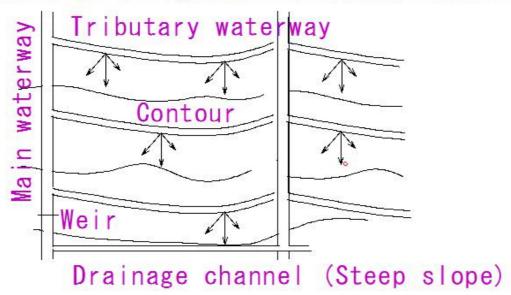
1319 Overflow Irrigation Watercourses

Watercourses



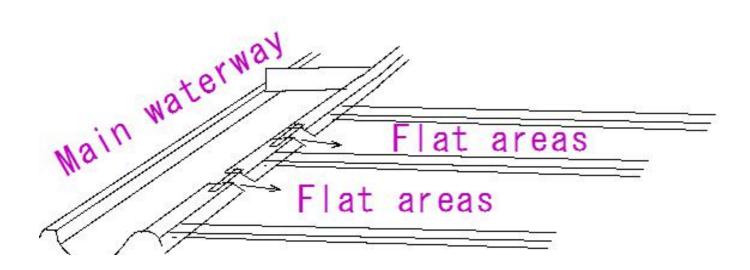
(1320) Overflow Irrigation Tributary waterway

(1320) Overflow Irrigation Tributary waterway



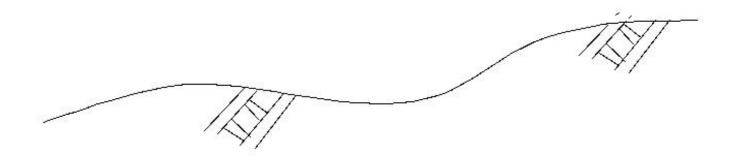
(1321) Border irrigation

(1321) Border irrigation



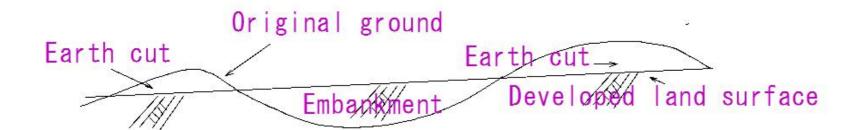
(1322) Field reclamation Original Field

(1322) Field reclamation Original Field



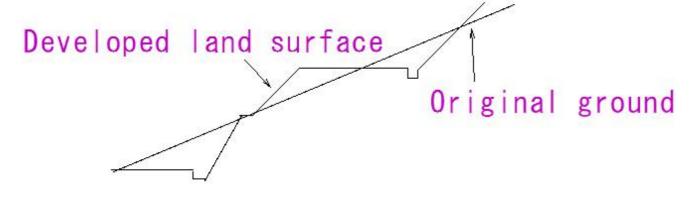
(1323) Field reclamation Improvement Original Field

(1323) Field reclamation Improvement Original Field



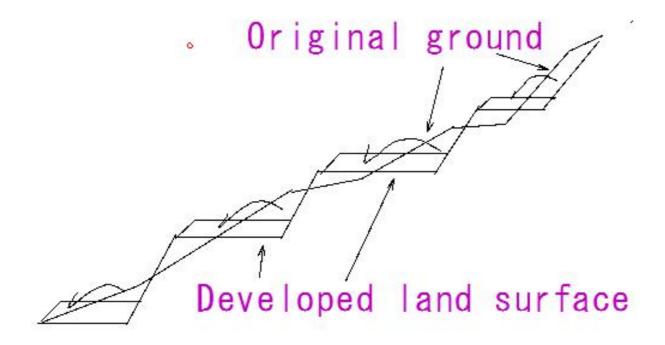
(1324) Field reclamation Stairs Field

(1324) Field reclamation Stairs Field



Cut and fill method

(1325) Field reclamation Full section cutting method



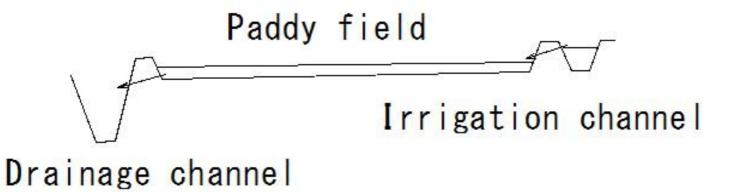
(1326) Field reclamation Slope Field

Farm-road
Planting area waterway

1327 Paddy field Plot-to-plot irrigation Paddy sluice Irrigation channe Drainage channe Ridge between rice fields

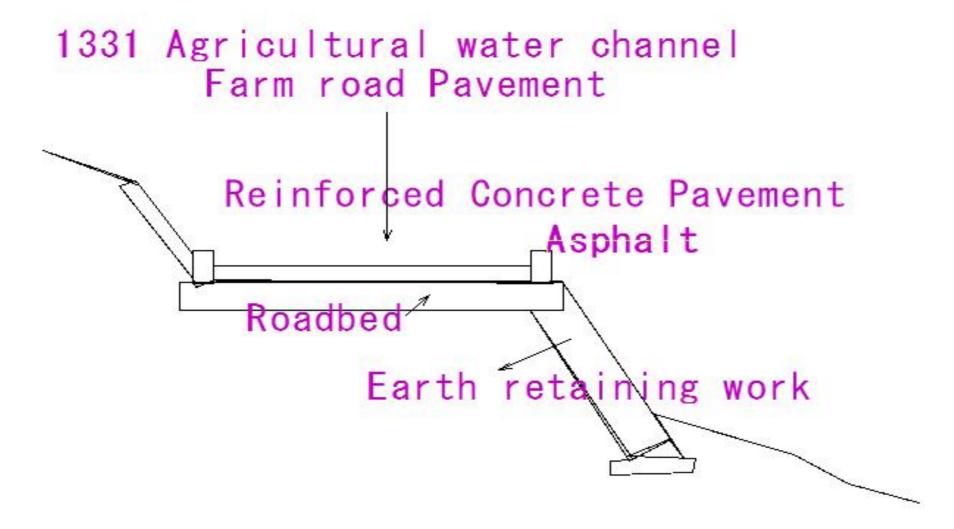
(1328) Paddy field Continuous irrigation

1328 Paddy field Continuous irrigation

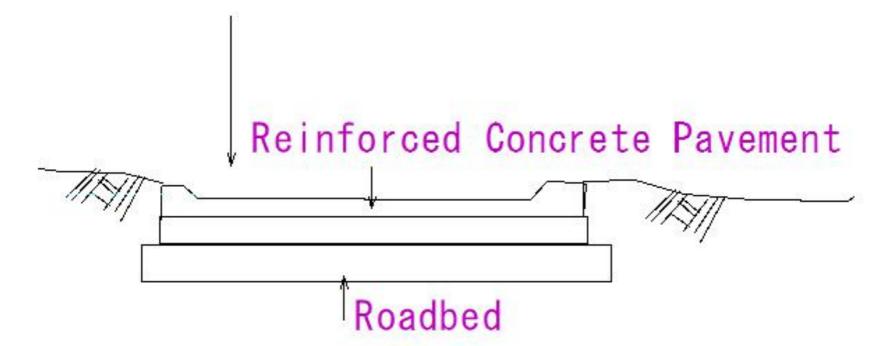


1329 Flush irrigation Paddy field Drainage channel Irrigation channel

1330 Agricultural water channel Farm road Drainage channel Main farm road Contour Farm road road B Farm road Main farm road

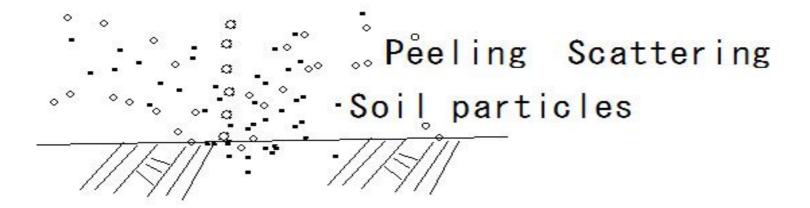


1332 Agricultural water channel Farm road Pavement Concrete Slab



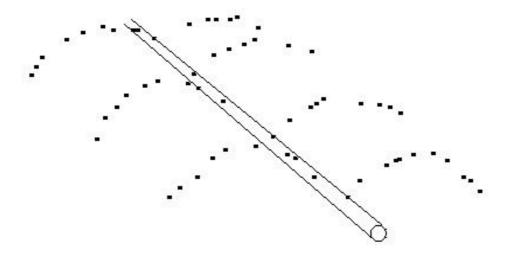
(1333) Raindrop Erosion

(1333) Raindrop Erosion



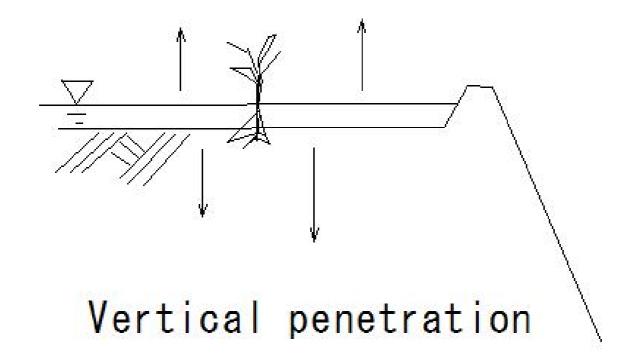
(1334) Irrigation facility

(1334) Irrigation facility

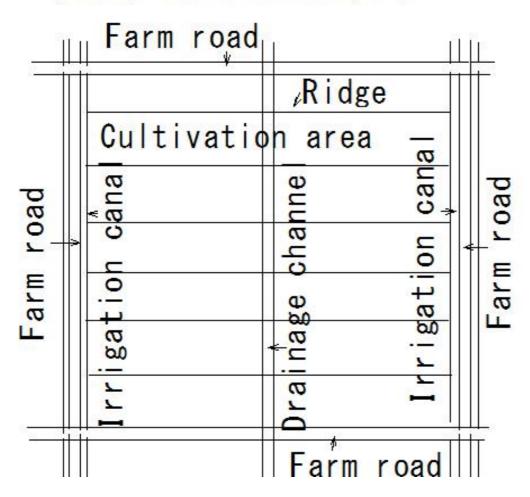


Perforated pipe irrigation Sprinkling facility sprinkler

(1335) Evapotranspiration

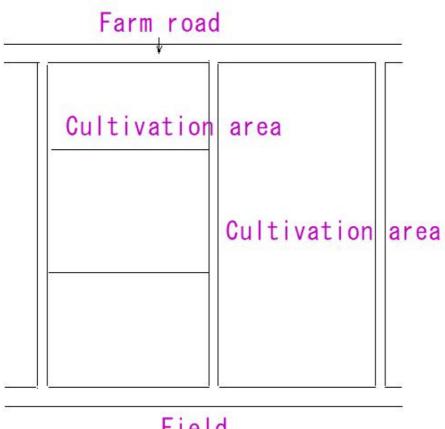


(1336) Cultivated plot

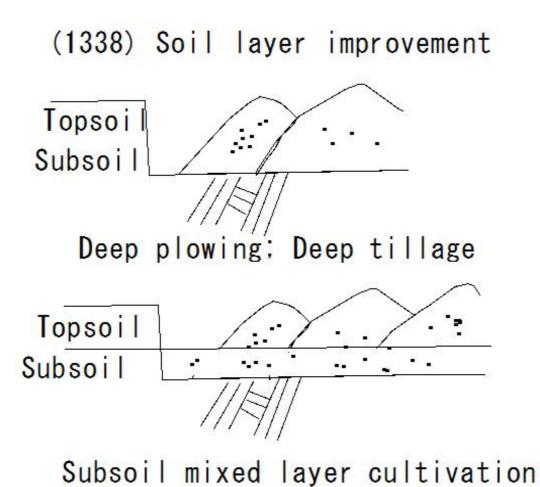


(1337) Cultivated plot Field

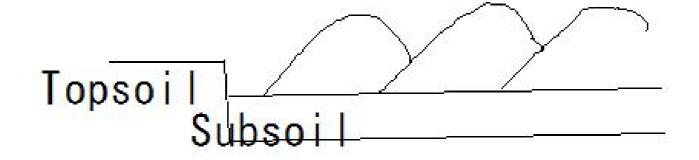
(1337) Cultivated plot Field



Field

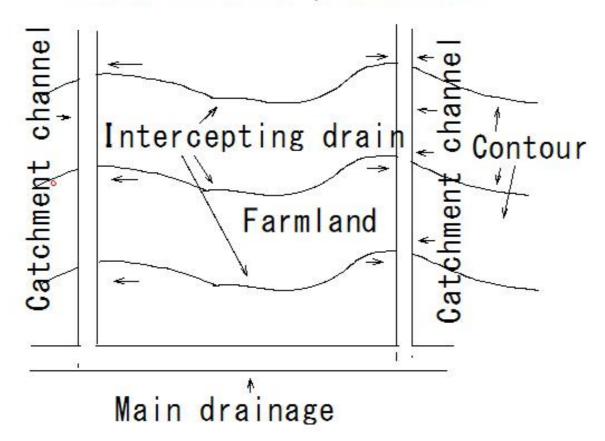


(1339) Subsoil mixed layer cultivation



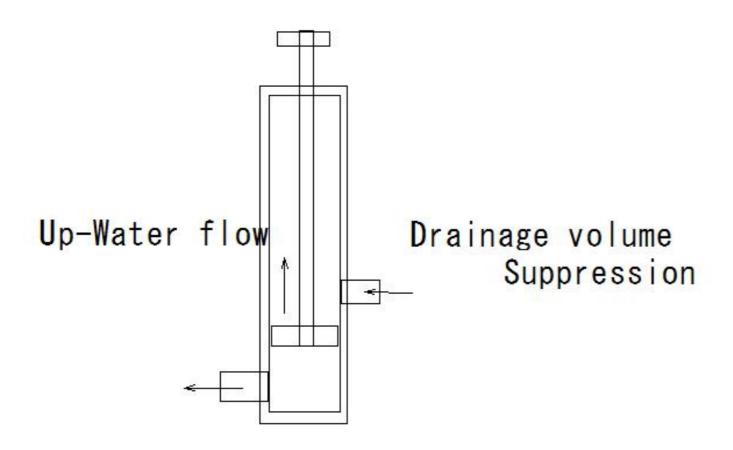
Soil layer improvement

(1340) Intercepting drain Water erosion prevention

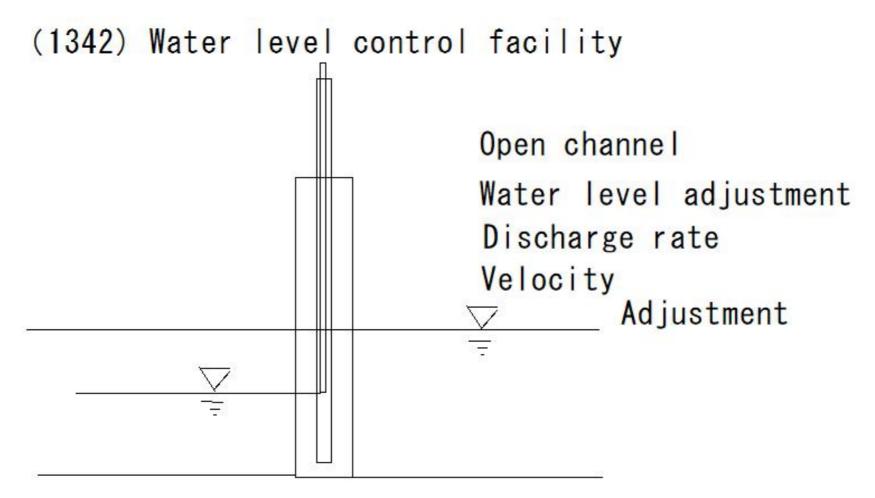


(1341) Water lock

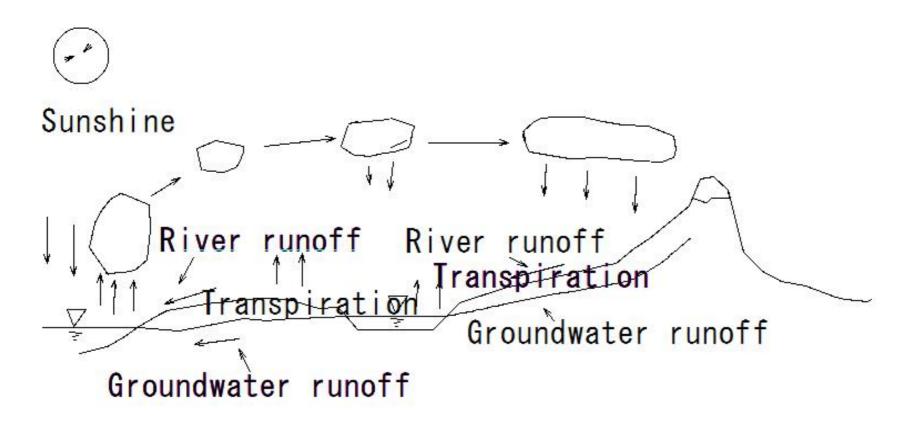
(1341) Water lock



(1342) Water level control facility

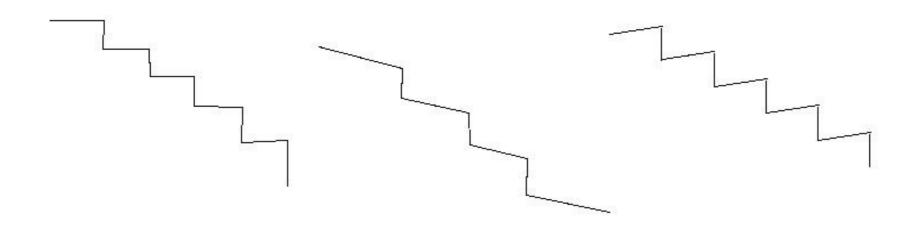


(1343) Hydrological cycle



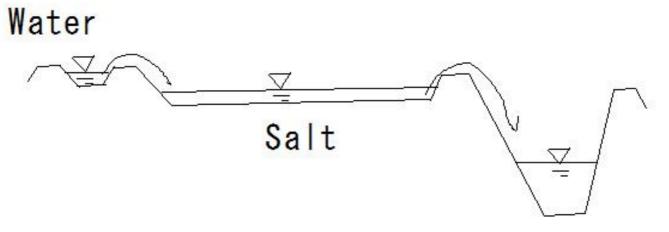
(1344) Prevention of water erosion





Bench terrace Inclination Reverse inclination

(1345) Desalination Saltwater replacement

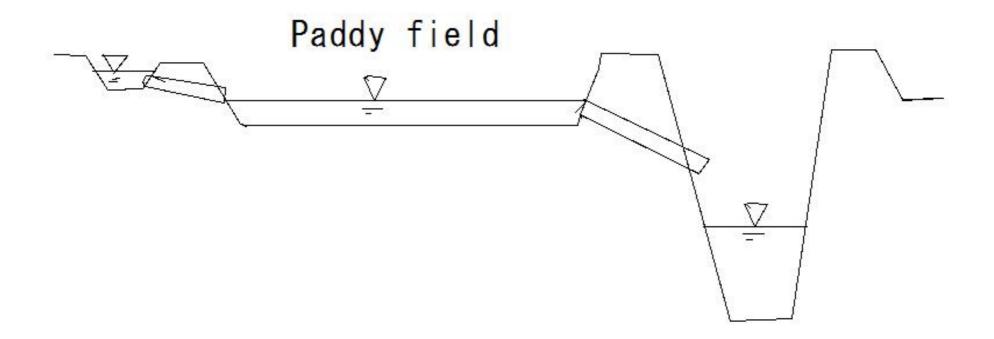


Irrigation canal

Drainage channel

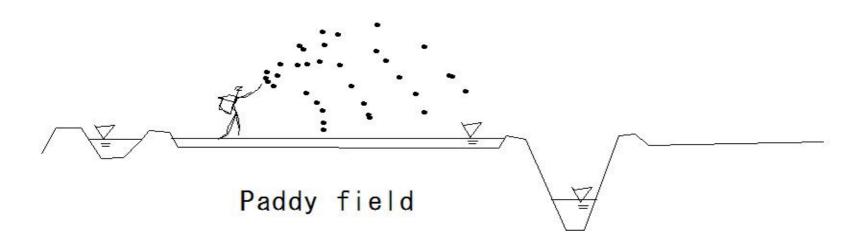
(1346) Flood irrigation

(1346) Flood irrigation



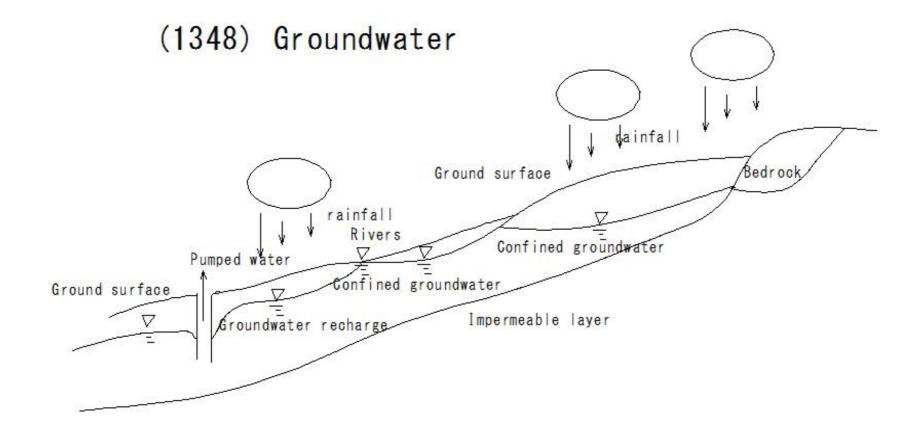
(1347) Direct seeding in flooded

(1347) Direct seeding in flooded

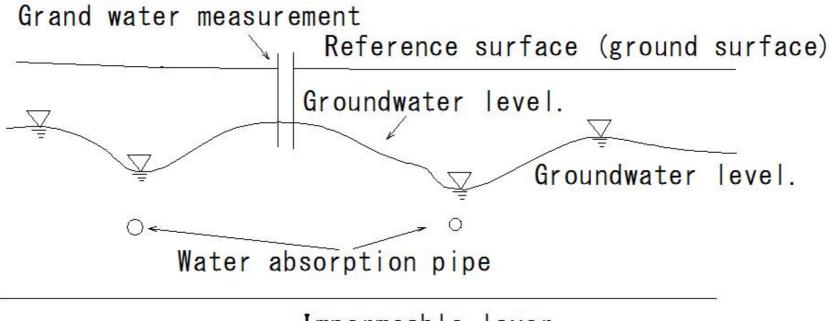


Drainage channel

Irrigation channel

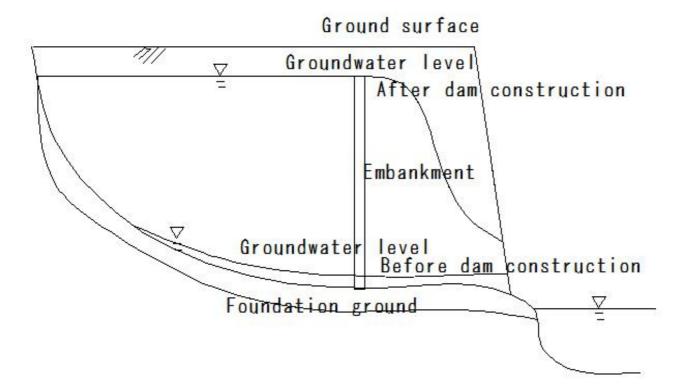


(1349) Groundwater level

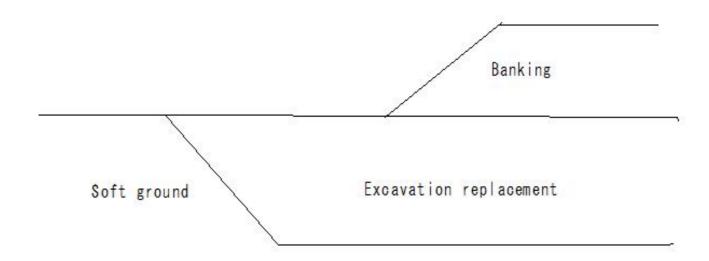


Impermeable layer

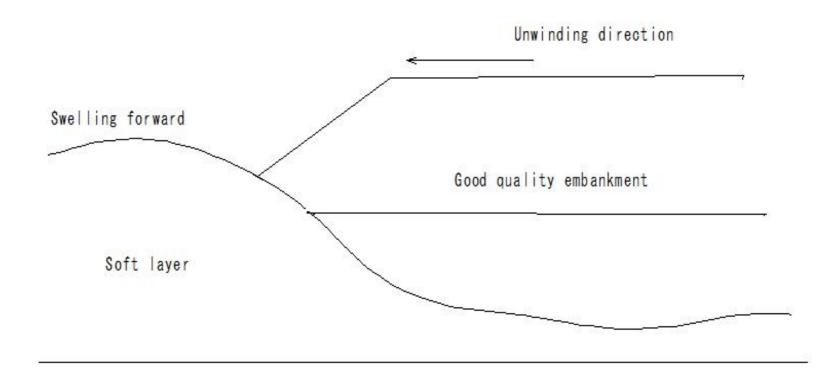
(1350) Under ground dam



(1351) Replacement method Excavation replacement

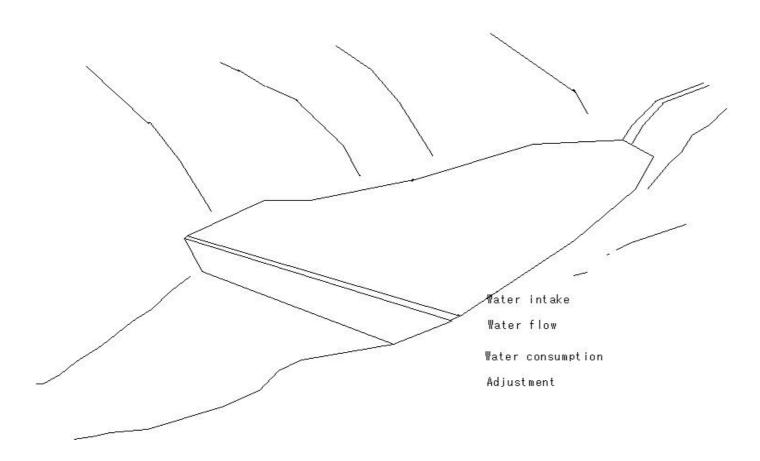


(1352) Replacement method Forced replacement



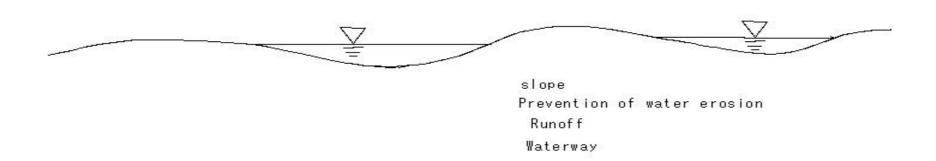
(1353) Regulating Reservoir

(1353) Regulating Reservoir



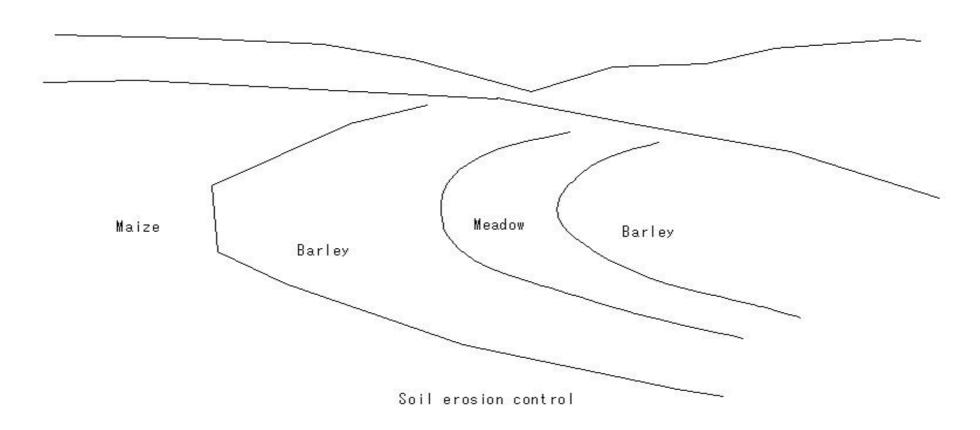
(1354) Terrace catchment channel

(1354) Terrace catchment channel



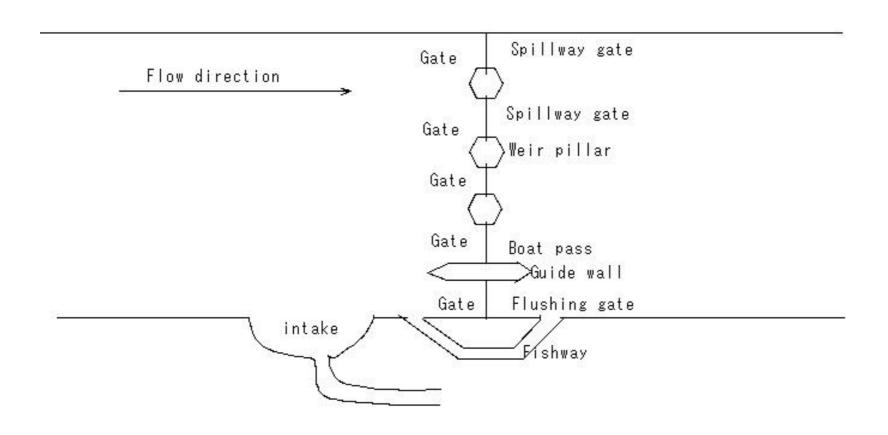
(1355) Contour cultivation

(1355) Contour cultivation



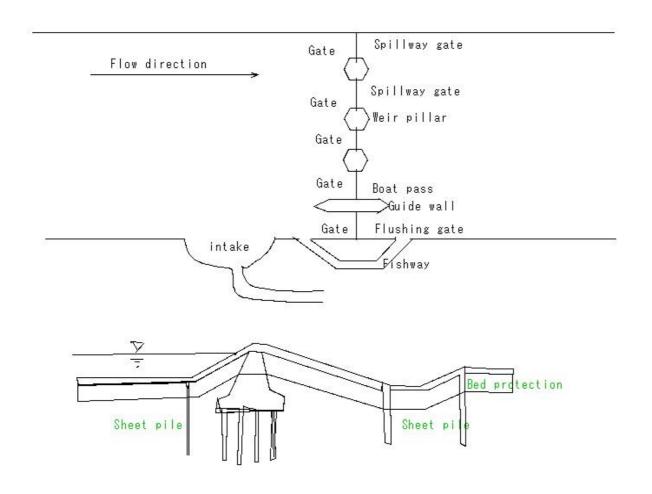
(1356)Division weir; Intake weir

(1356) Division weir; Intake weir

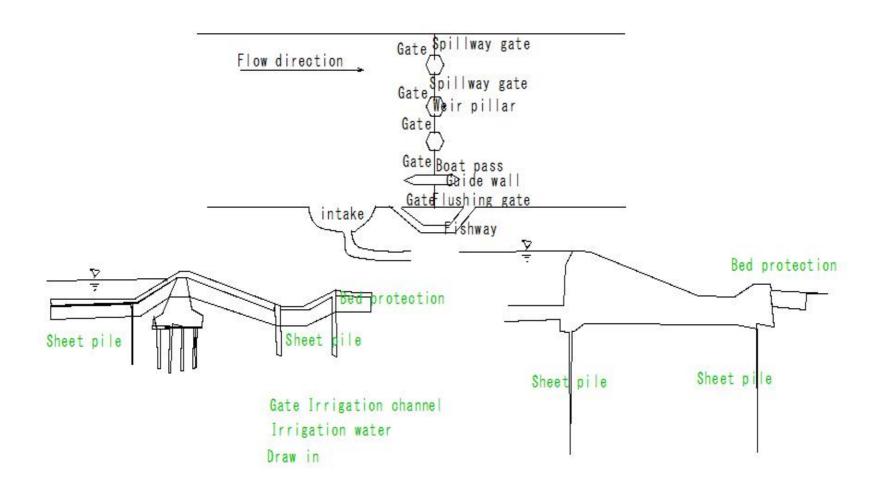


(1357) Division weir; Intake weir1

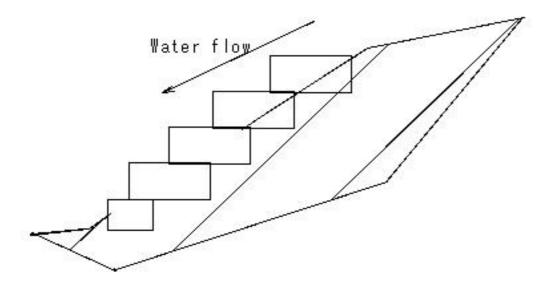
(1357) Division weir; Intake weir 1



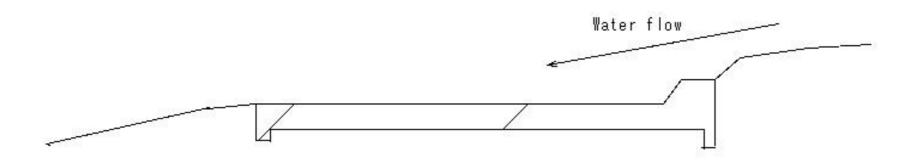
(1358) Division weir; Intake weir 2



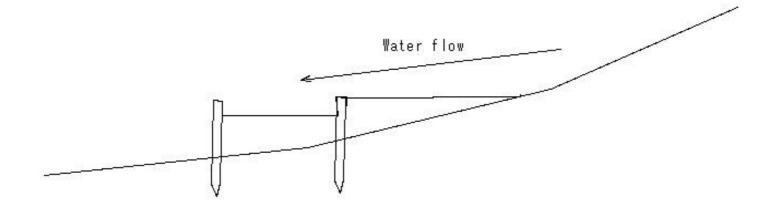
(1359) Consolidation works 1



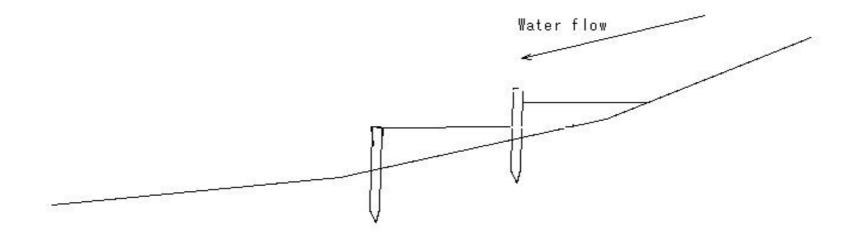
(1360) Consolidation works 2



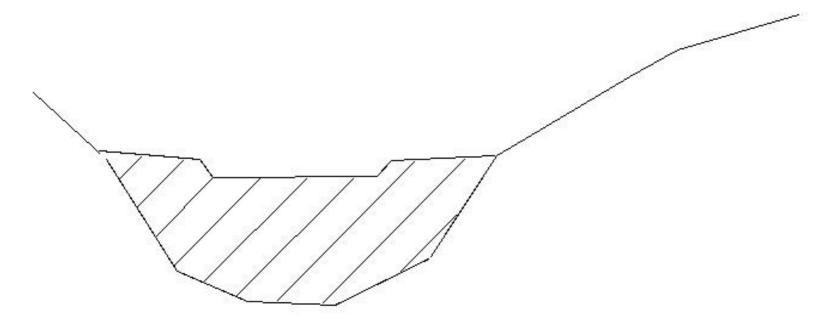
(1361) Consolidation works 3



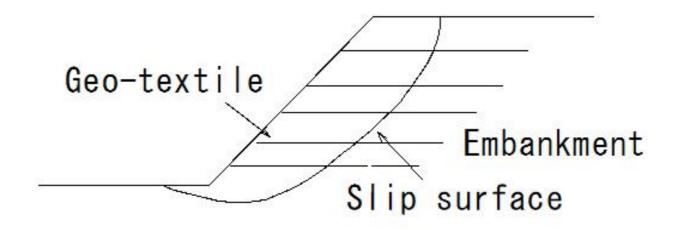
(1362) Consolidation works 4



(1363) Consolidation works 5



(1364) Example of use Geo-textile



Embankment Drainage Reinforcement

(1365) Example of use Geo-textile 2

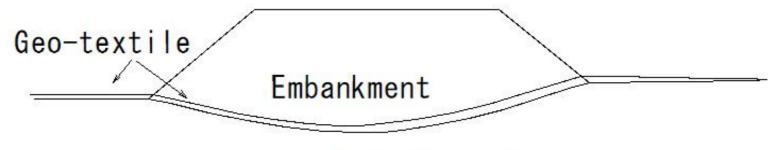
(1365) Example of use Geo-textile 2

		/// Surface layer
		Subgrade
Geo-te	ktile <	Blocking
		Subgrade

Heterogeneous material separate

(1366) Example of use Geo-textile 3

(1366) Example of use Geo-textile 3



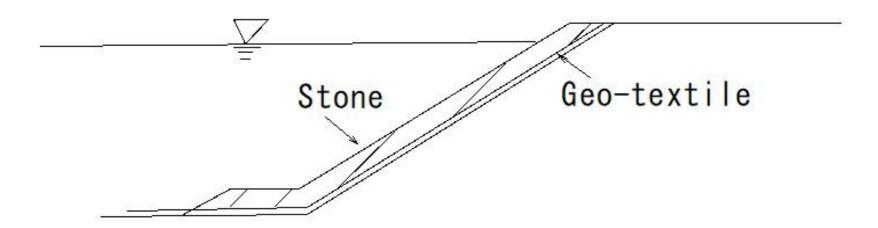
Soft Ground

Ground/subgrade reinforcement

Materials reduction, simplification

(1367) Example of use Geo-textile 4

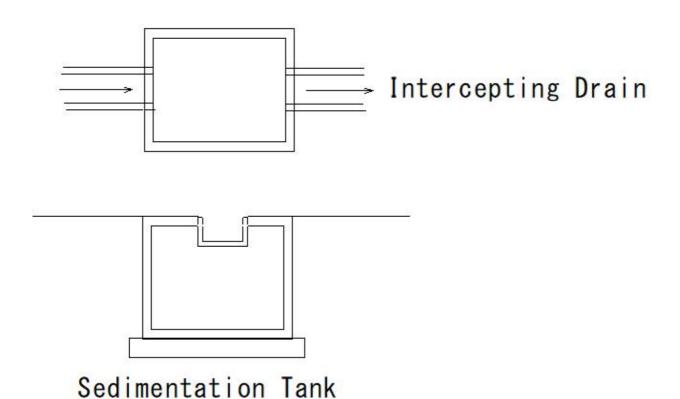
(1367) Example of use Geo-textile 4



Prevention of sediment outflow

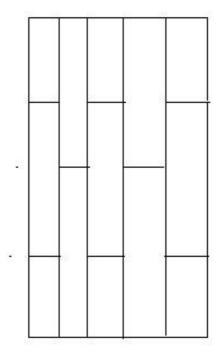
(1368) Sedimentation Tank

(1368) Sedimentation Tank



(1369) Soil structure1

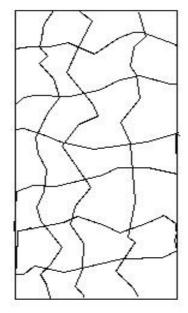
How to enter the earth fissure



Soil column structure

(1370) Soil structure2

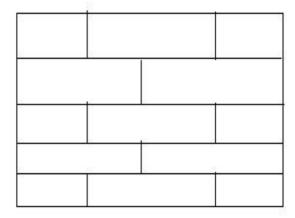
How to enter the earth fissure



Angular structure

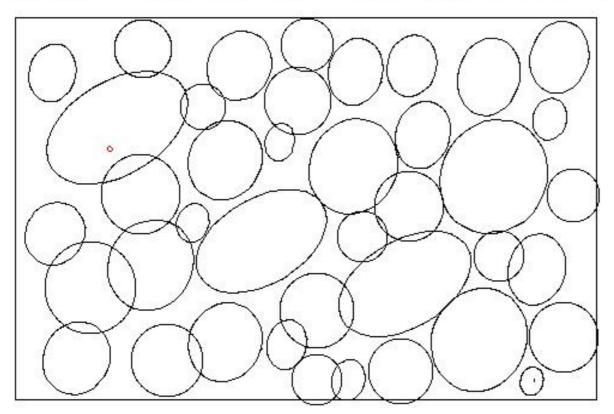
(1371) Soil structure 3

How to enter the earth fissure



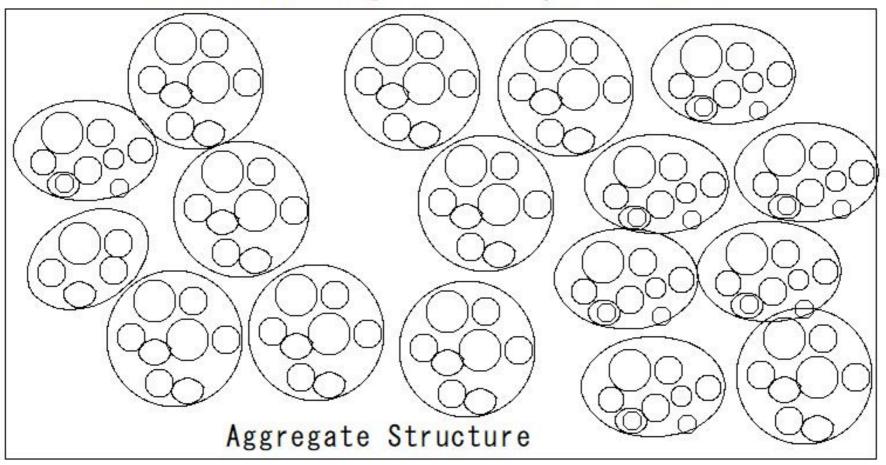
Platy structure

(1372) Binding of soil particles 1

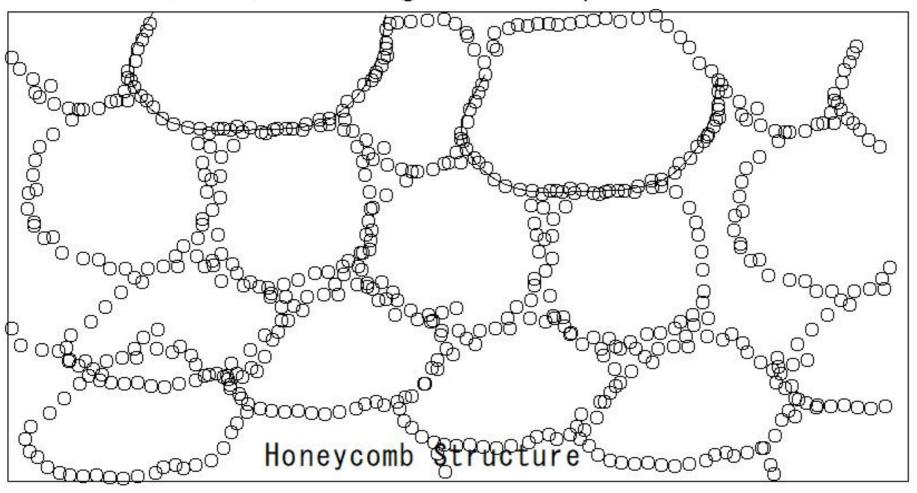


Single grained structure

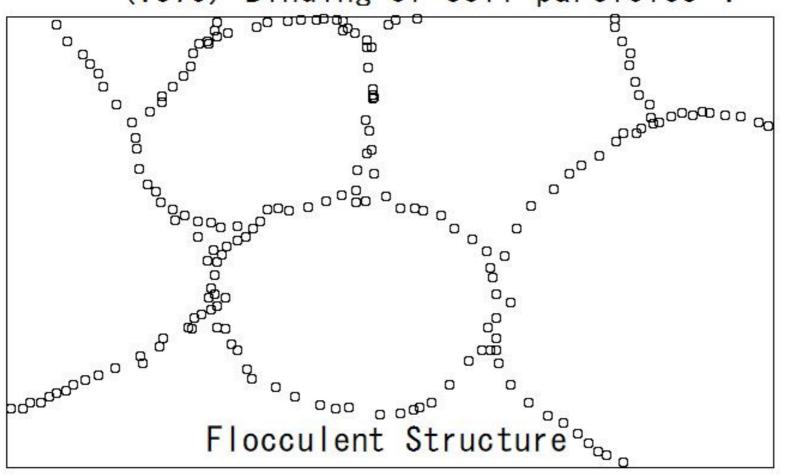
(1373) Binding of soil particles 2



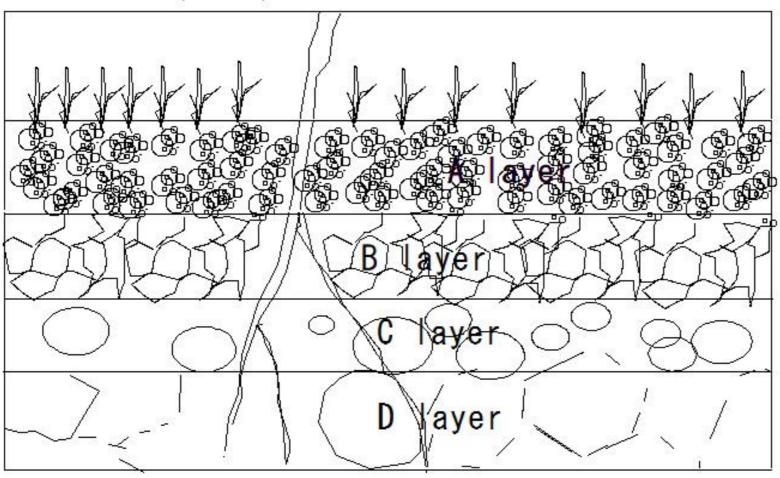
(1374) Binding of soil particles 3



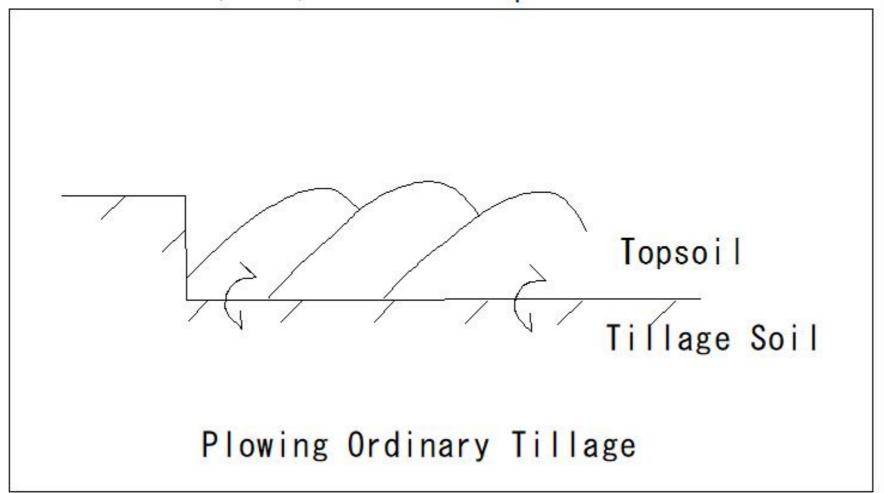
(1375) Binding of soil particles 4



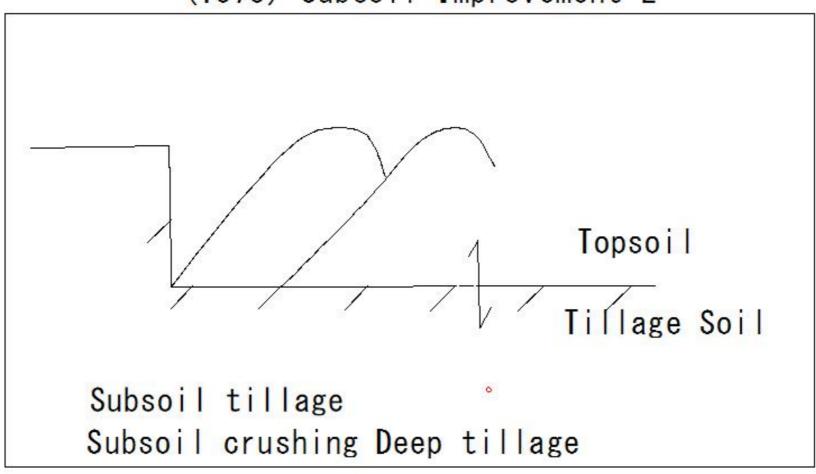
(1376) Soil Horizon



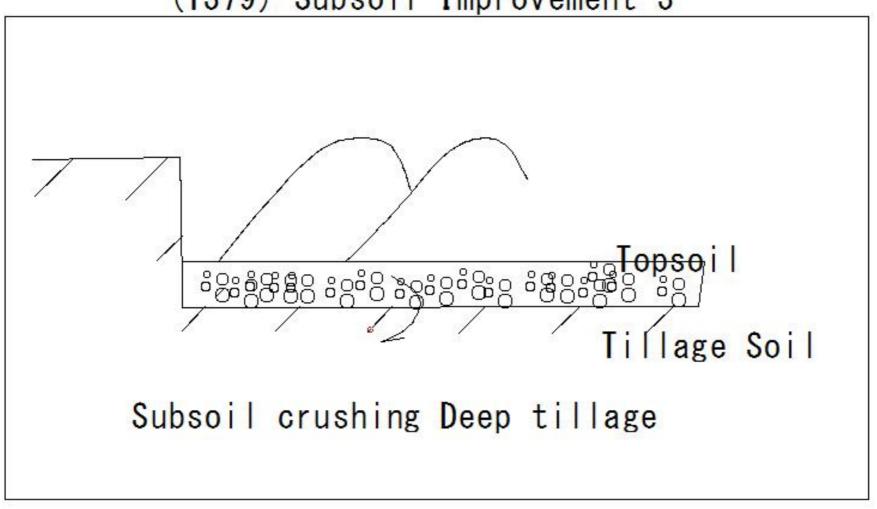
(1377) Subsoil Improvement 1



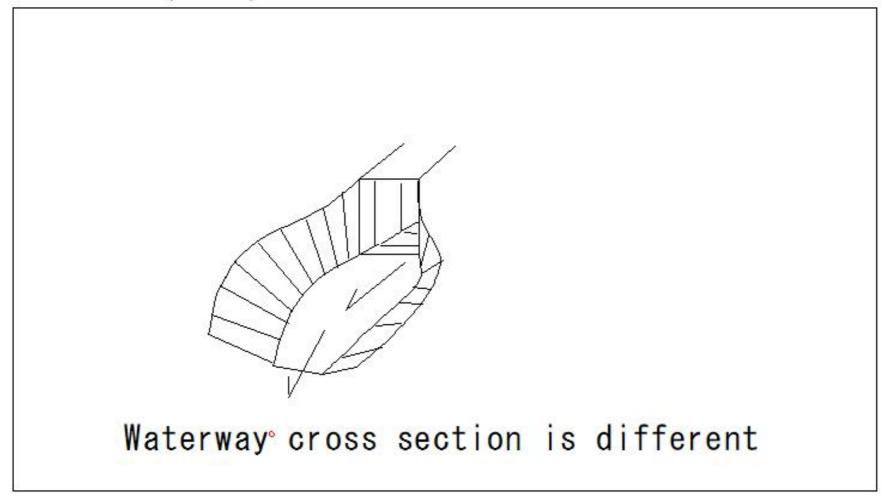
(1378) Subsoil Improvement 2



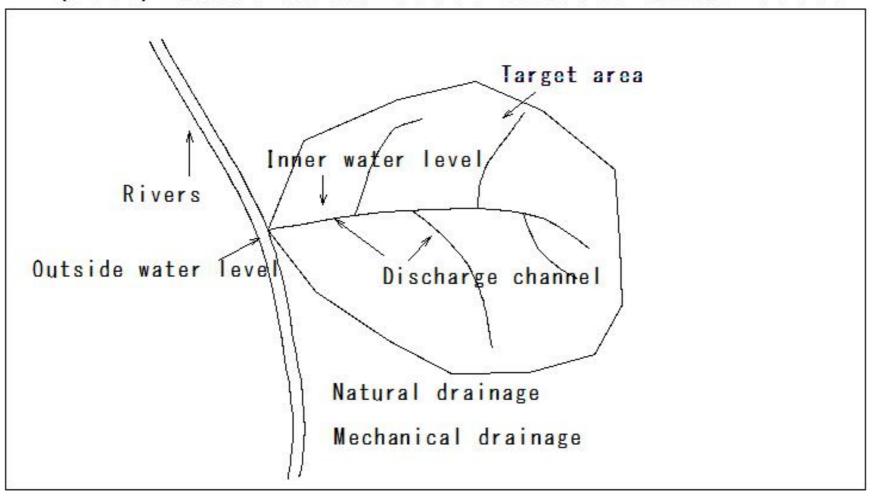
(1379) Subsoil Improvement 3



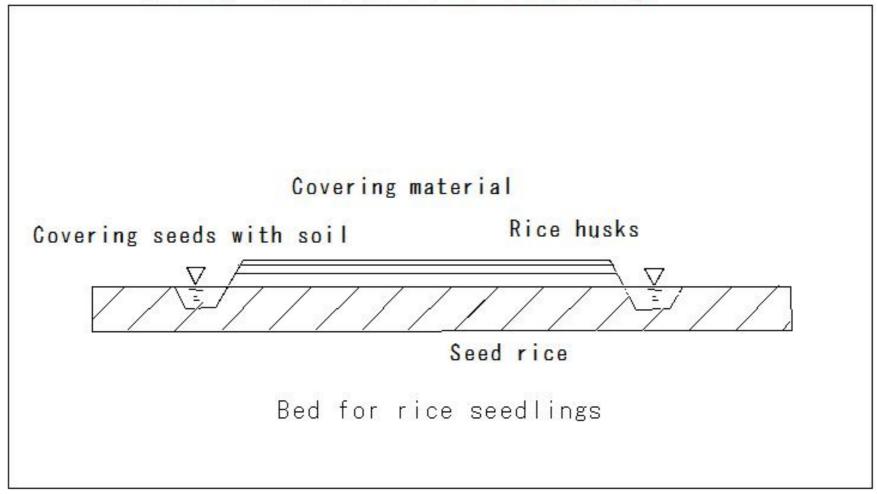
(1380) Channel Transition



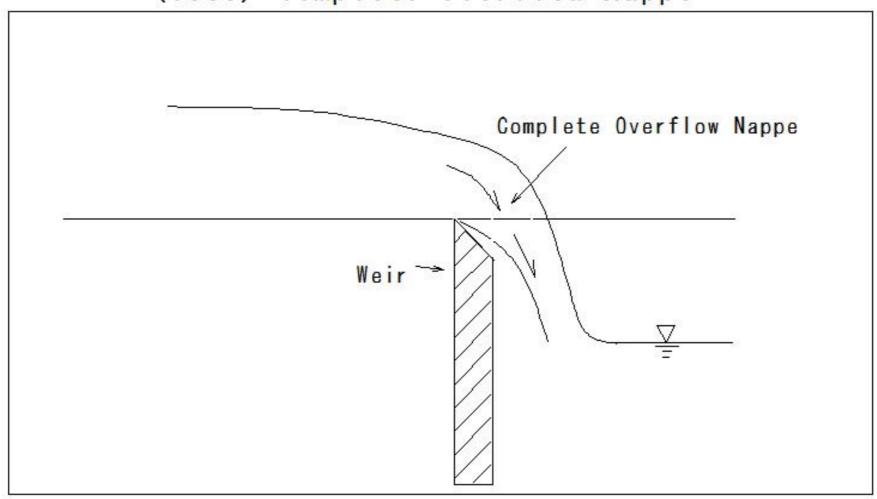
(1381) Inner water level Outside water level



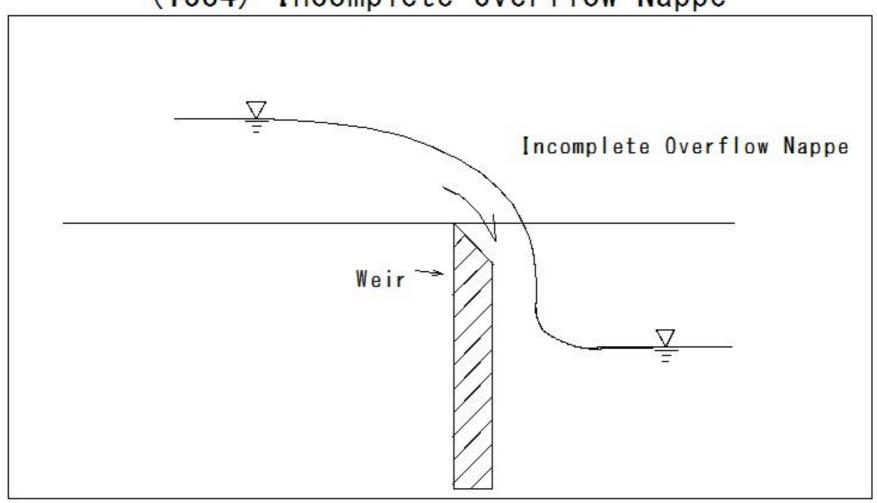
(1382) Bed for rice seedlings



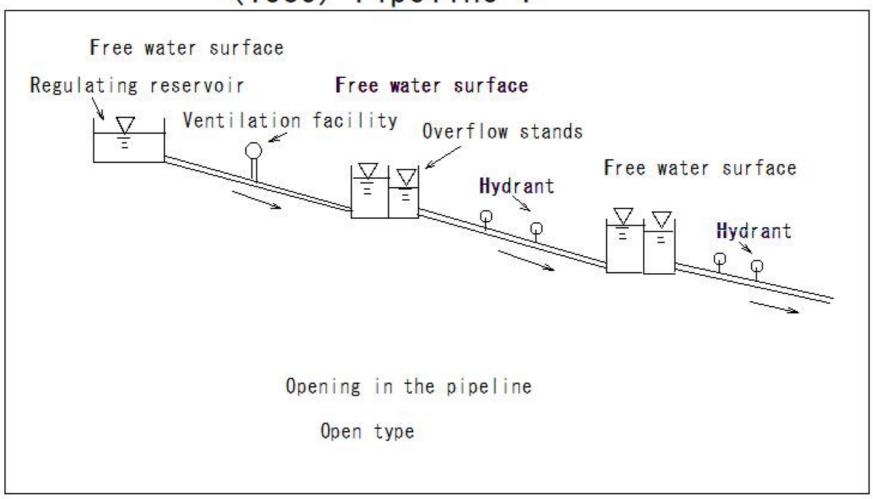
(1383) Complete Overflow Nappe



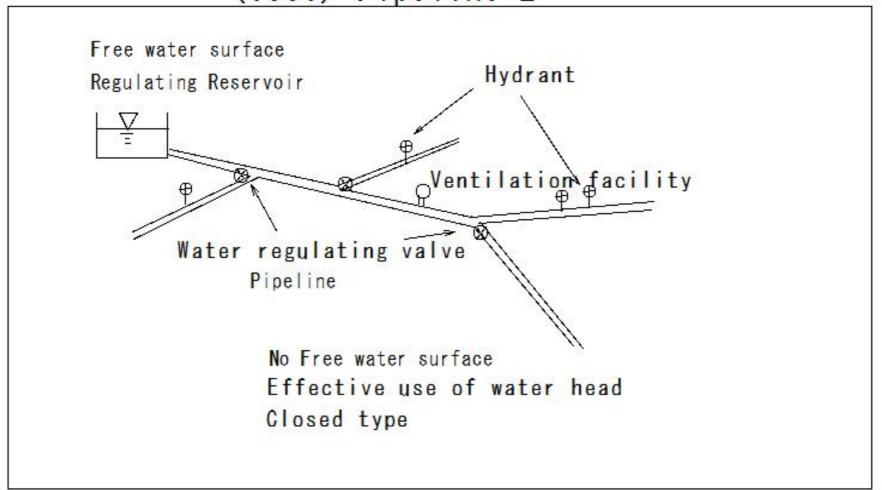
(1384) Incomplete Overflow Nappe



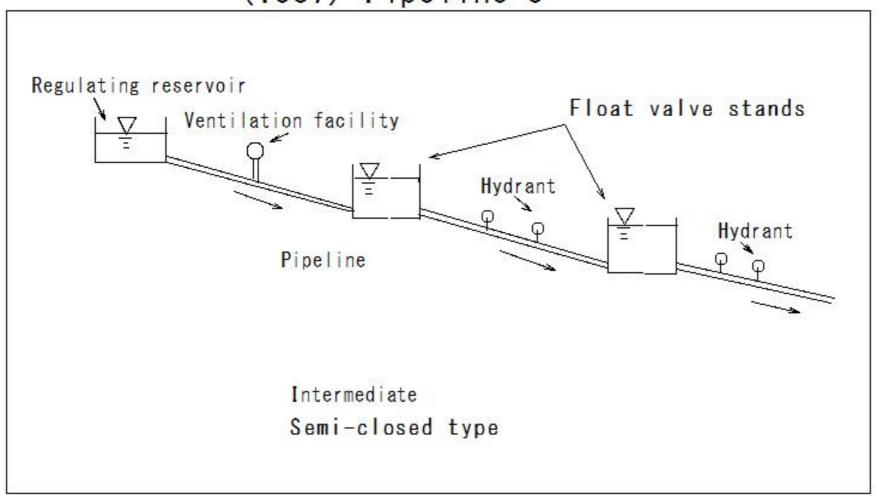
(1385) Pipeline 1



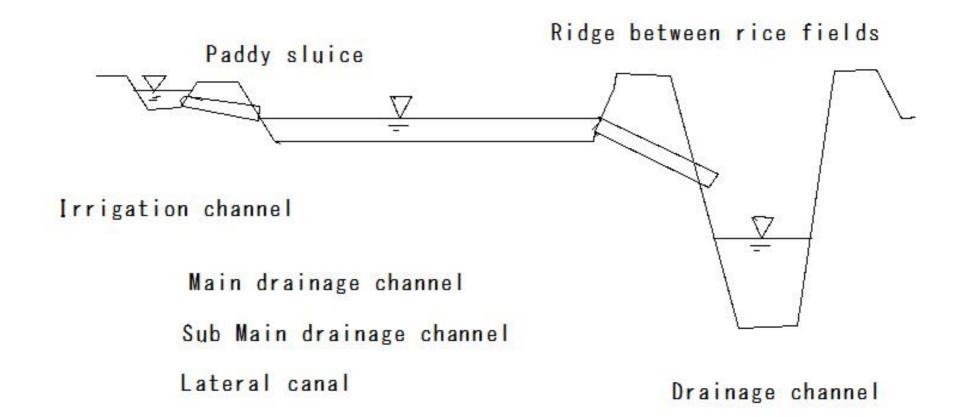
(1386) Pipeline 2



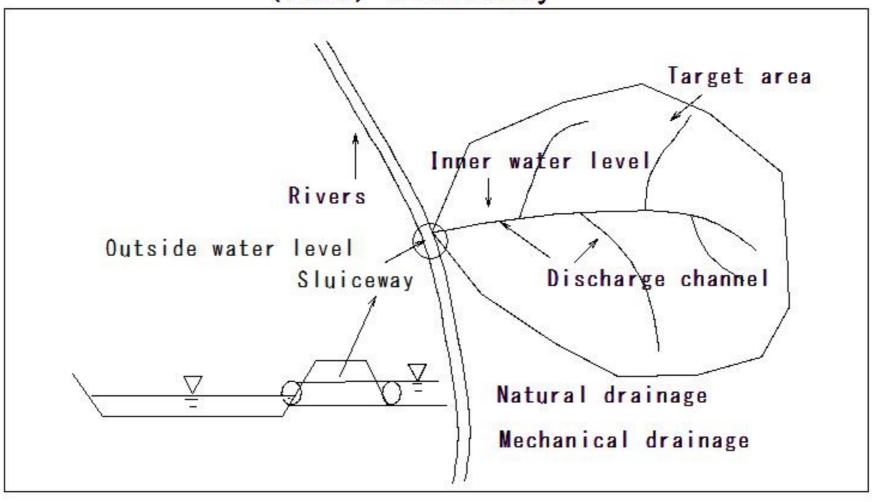
(1387) Pipeline 3



(1388) Drainage channel

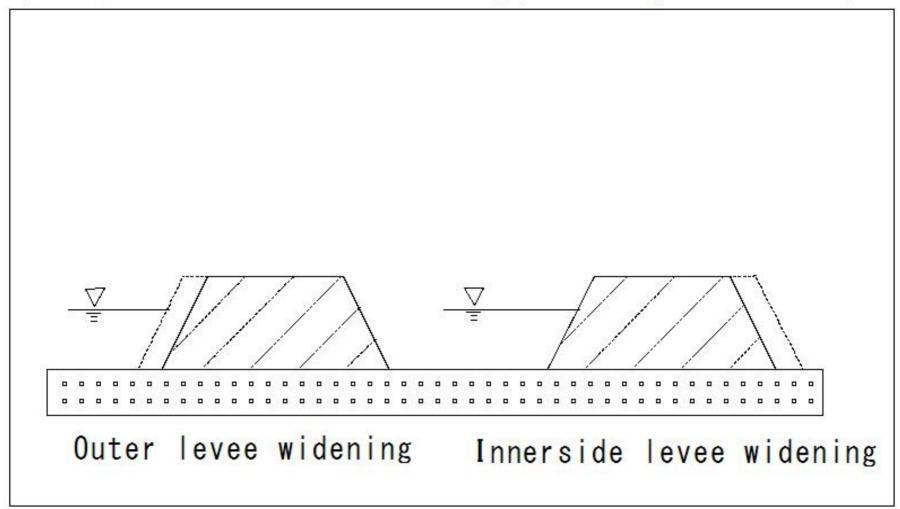


(1389) sluiceway



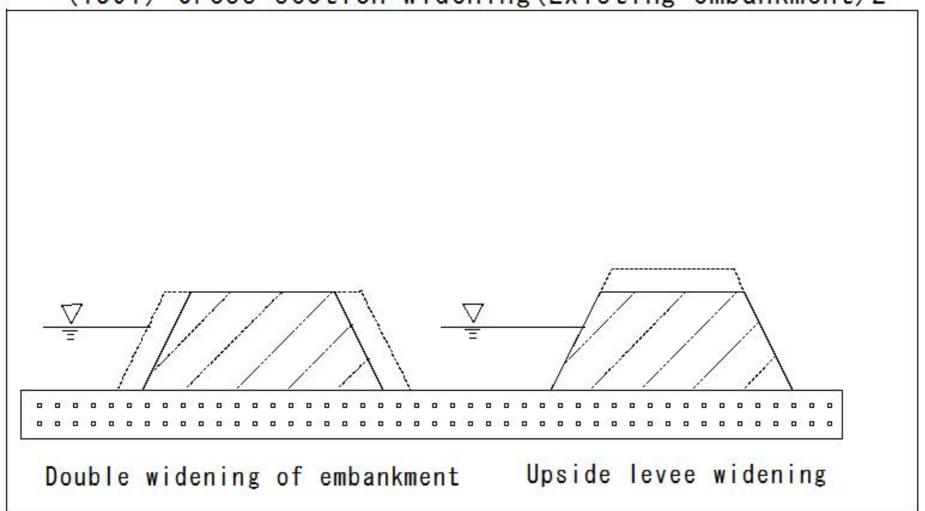
(1390) Cross section widening(Existing embankment) 1

(1390) Cross section widening (Existing embankment) 1



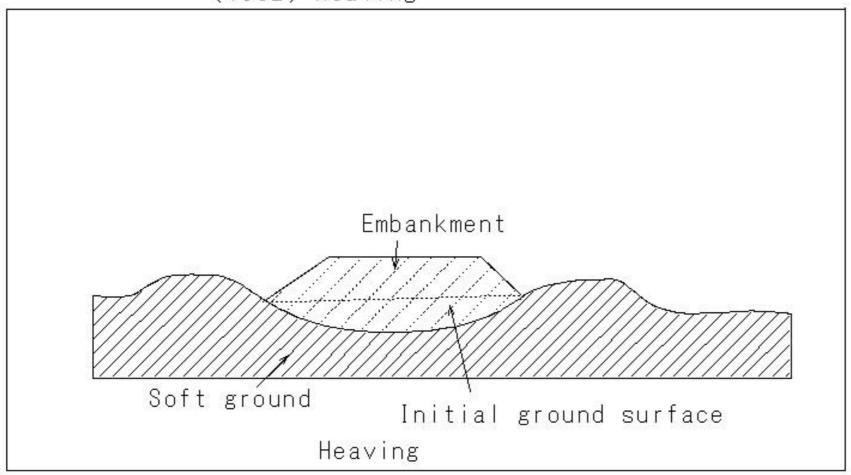
(1391) Cross section widening(Existing embankment) 2

(1391) Cross section widening(Existing embankment) 2



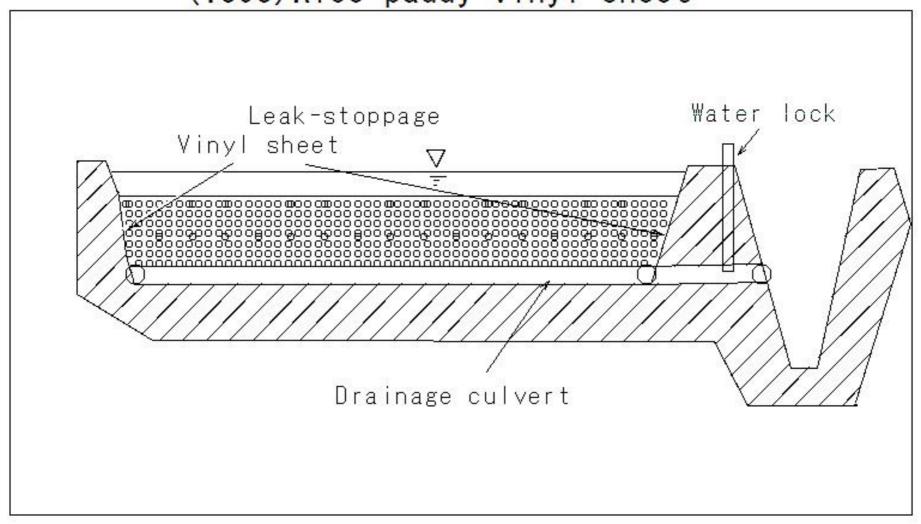
(1392) Heaving

(1392) Heaving



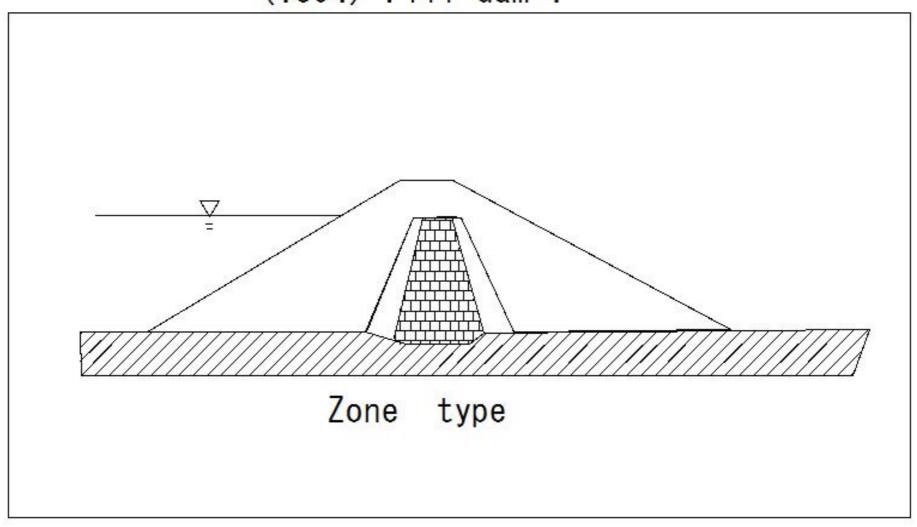
(1393) Rice paddy vinyl sheet

(1393) Rice paddy vinyl sheet

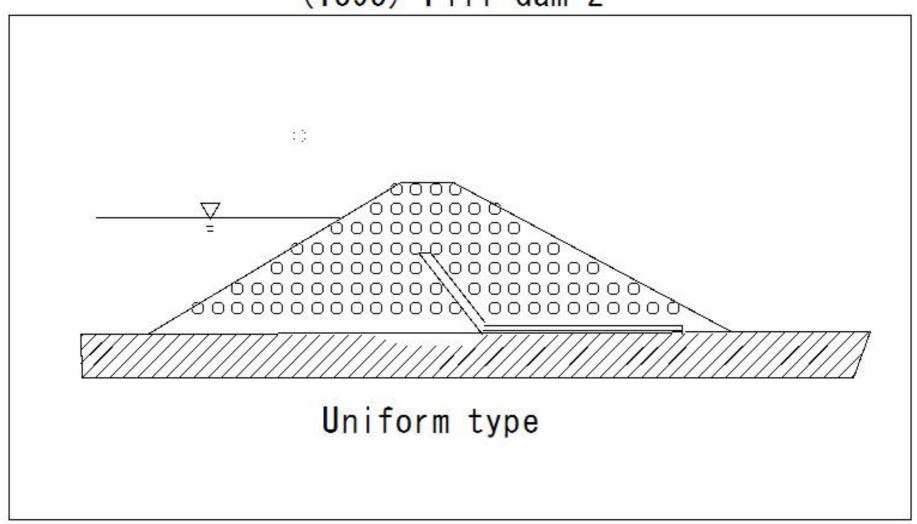


(1394) Fill dam 1

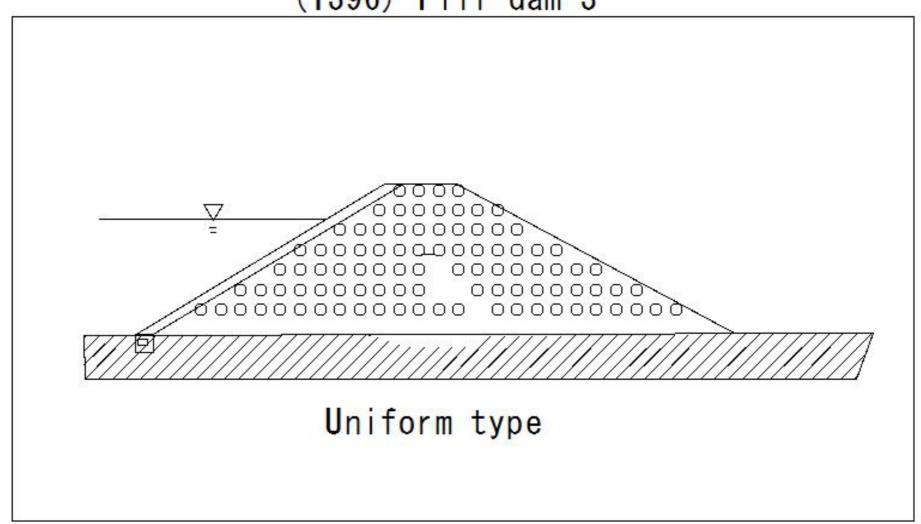
(1394) Fill dam 1



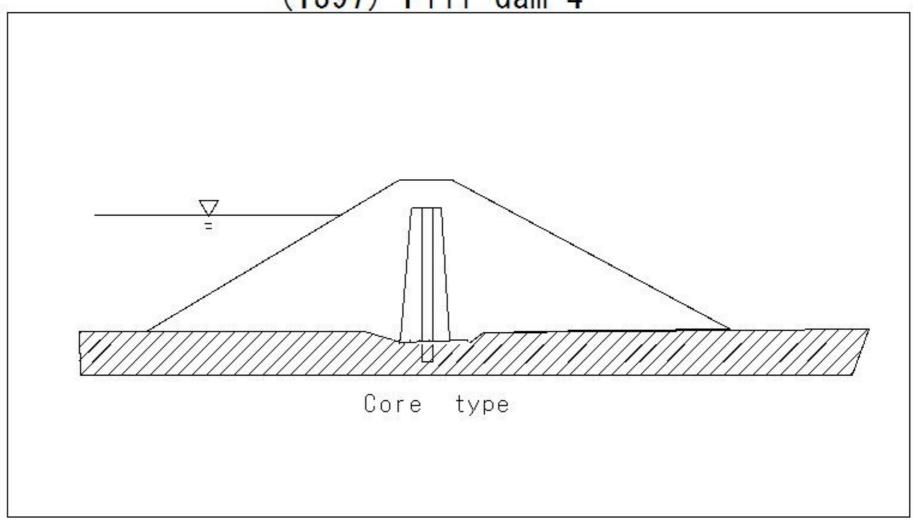
(1395) Fill dam 2



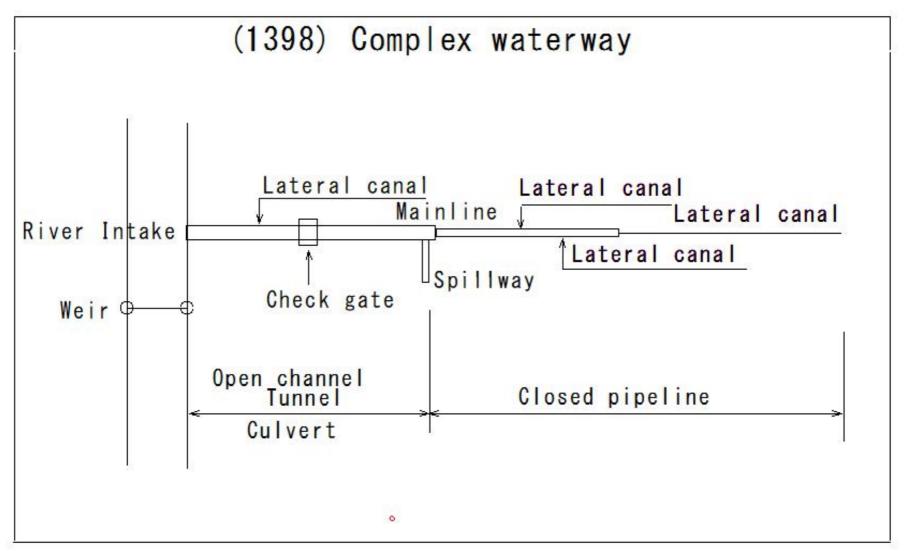
(1396) Fill dam 3



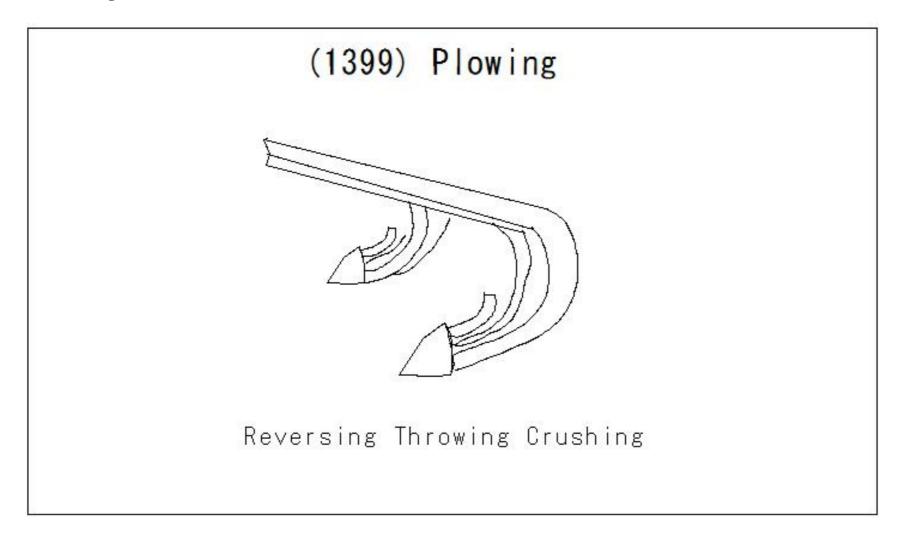
(1397) Fill dam 4



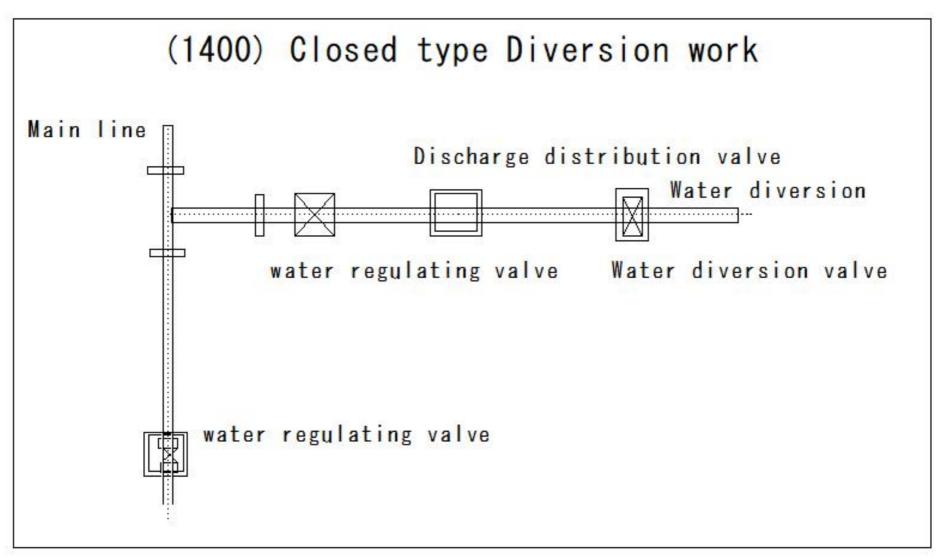
(1398) Complex waterway

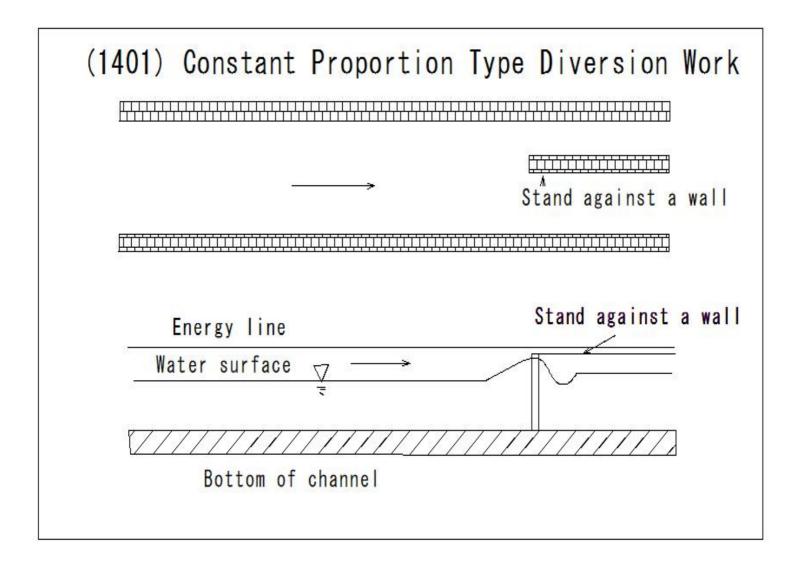


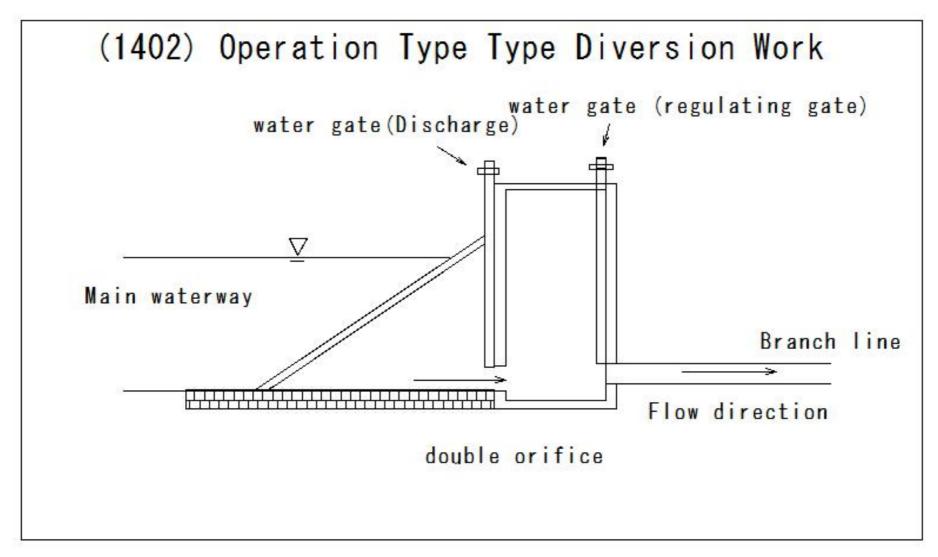
(1399) Plowing

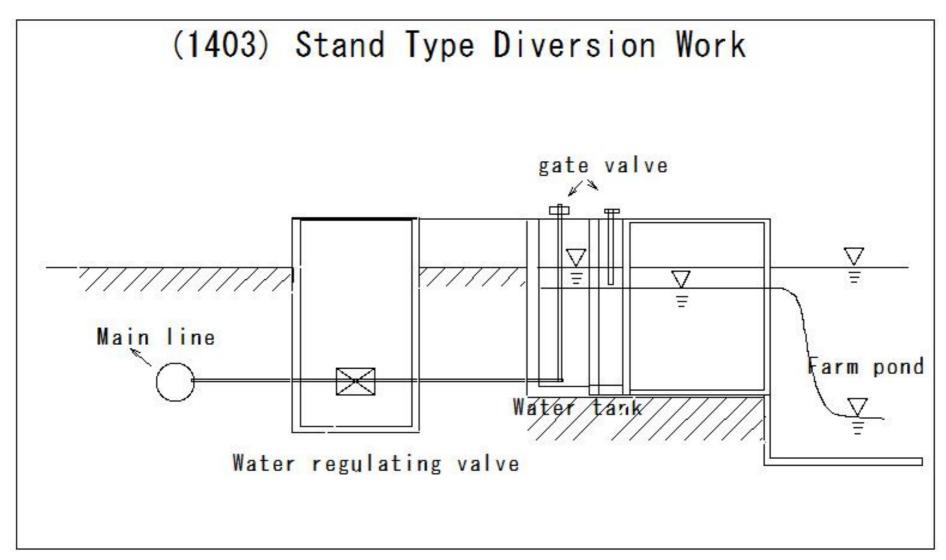


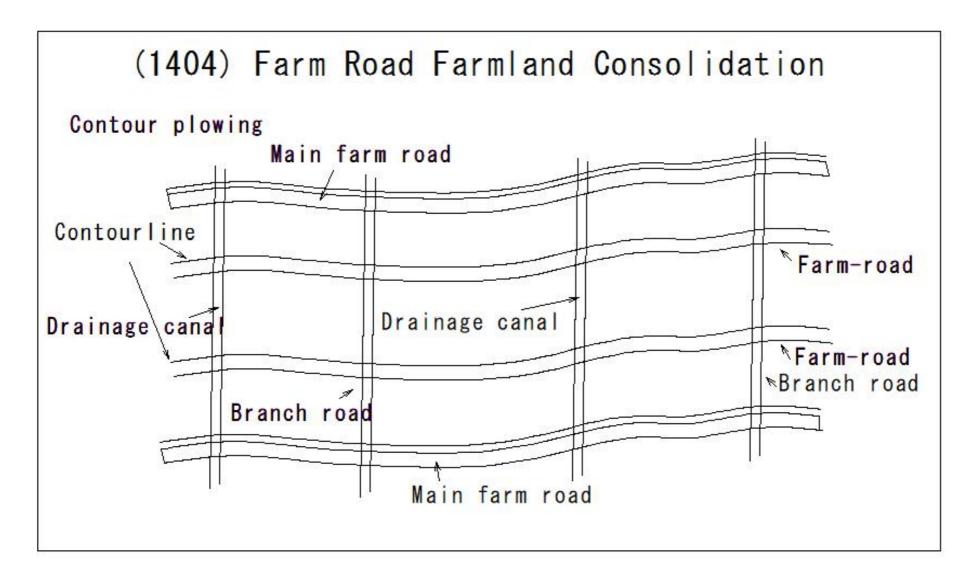
(1400) Closed type Diversion work

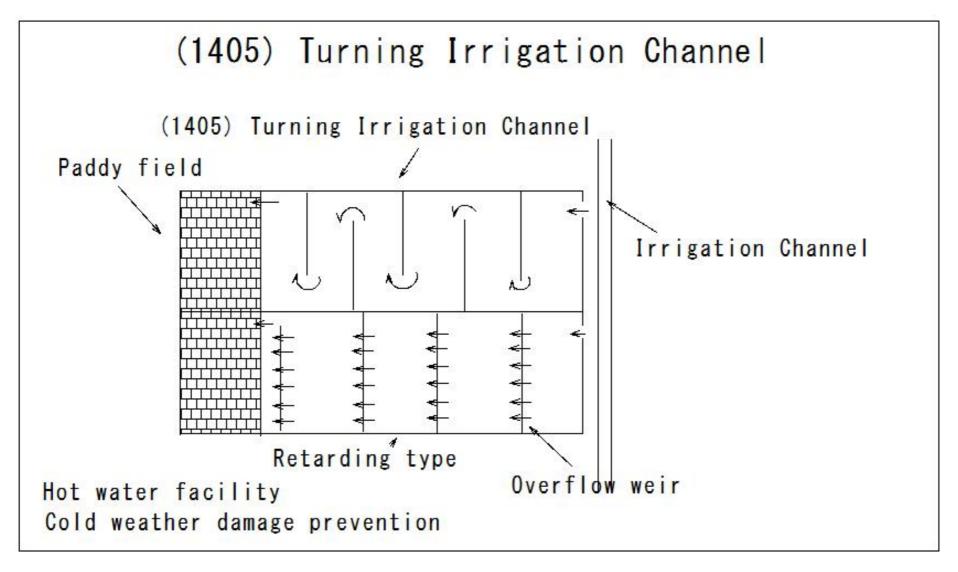


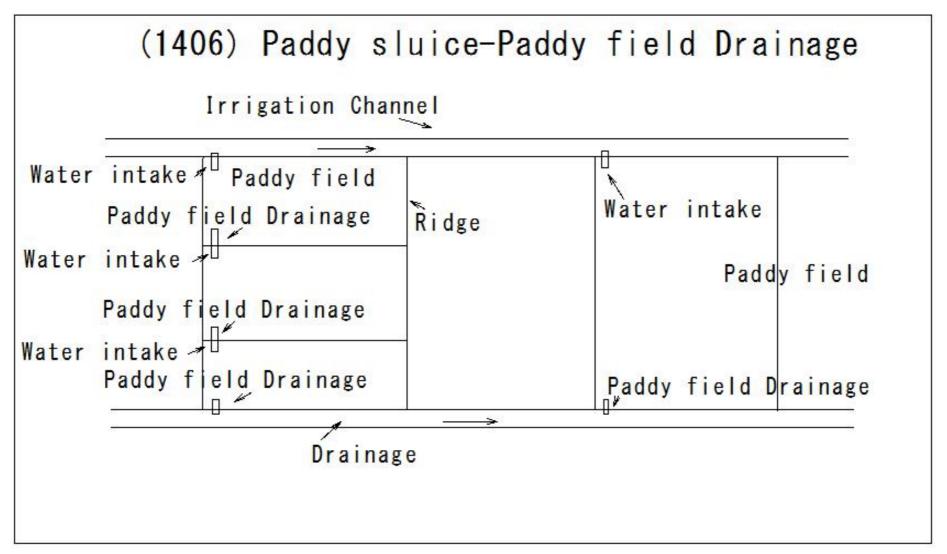


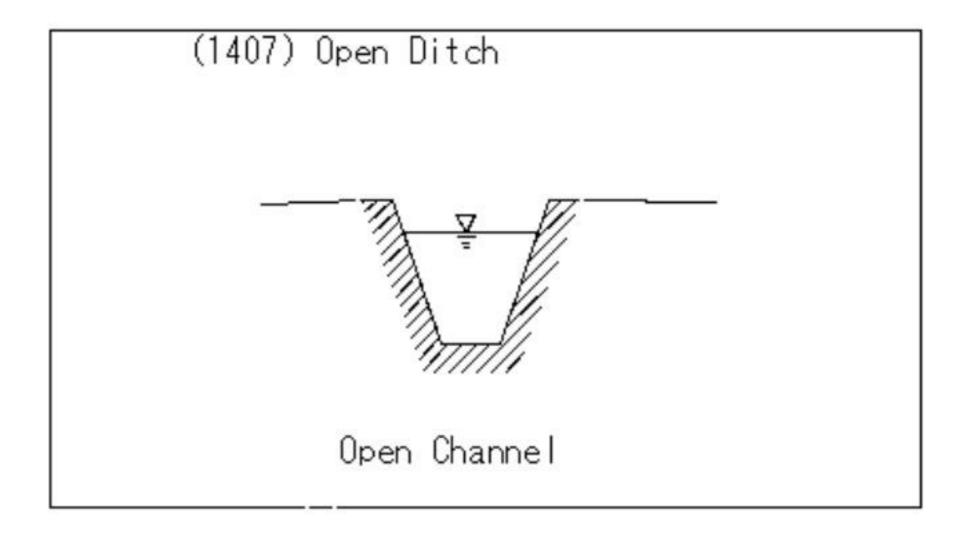


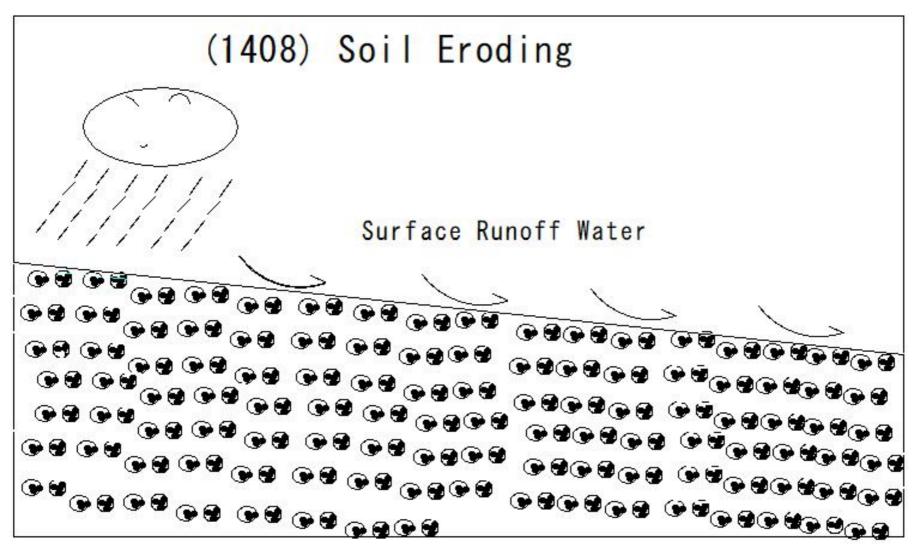




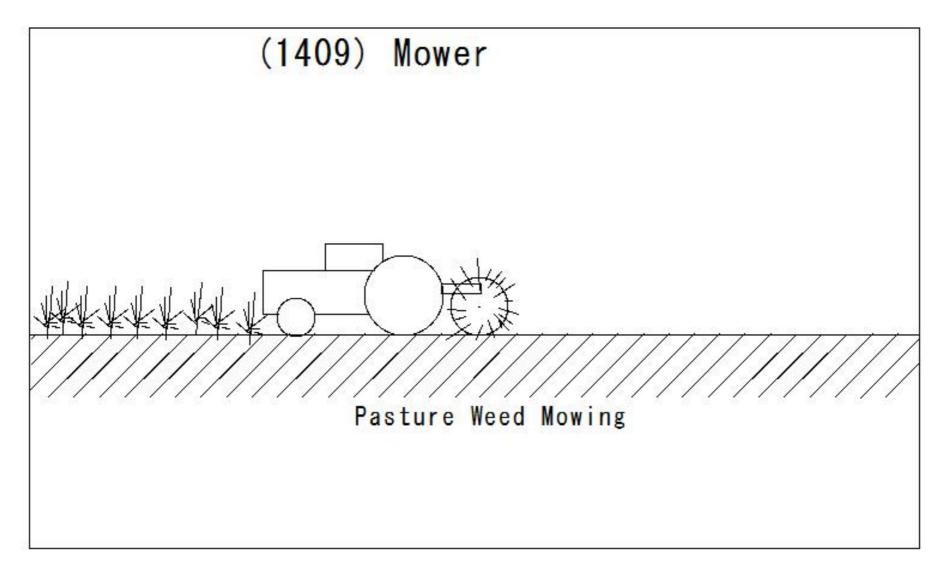


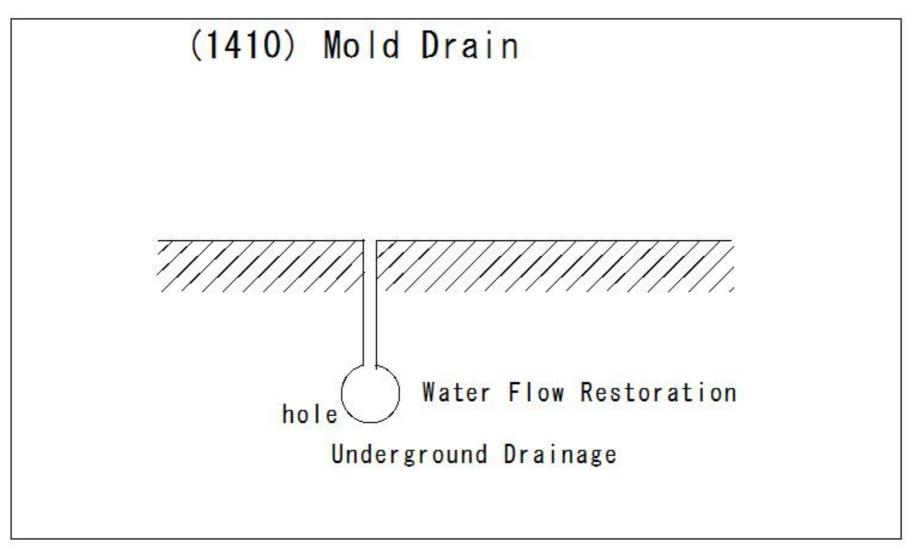


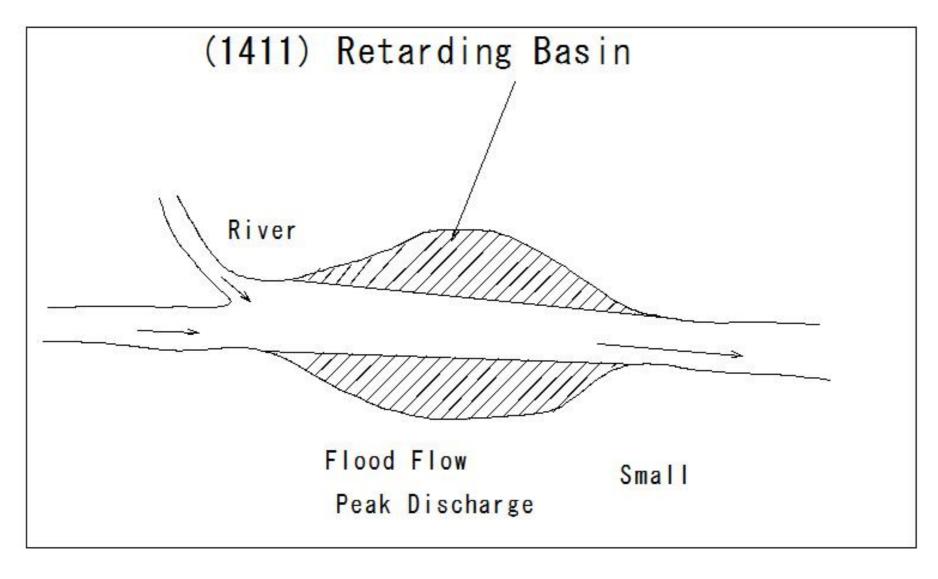


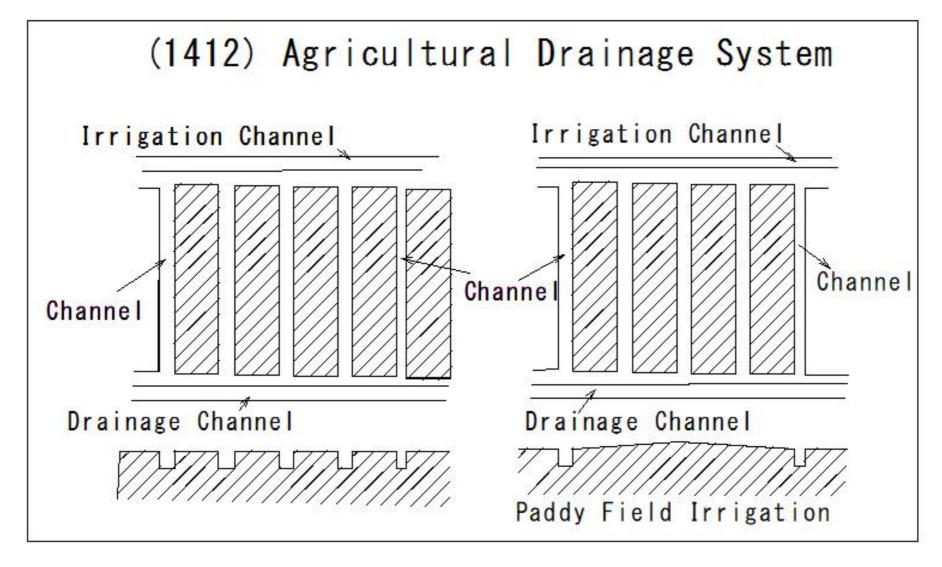


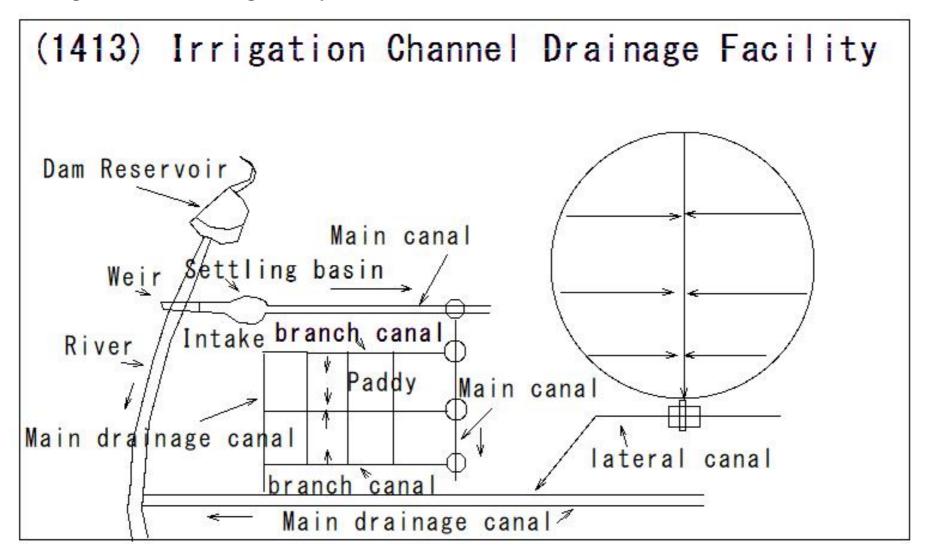
(1409) Mower



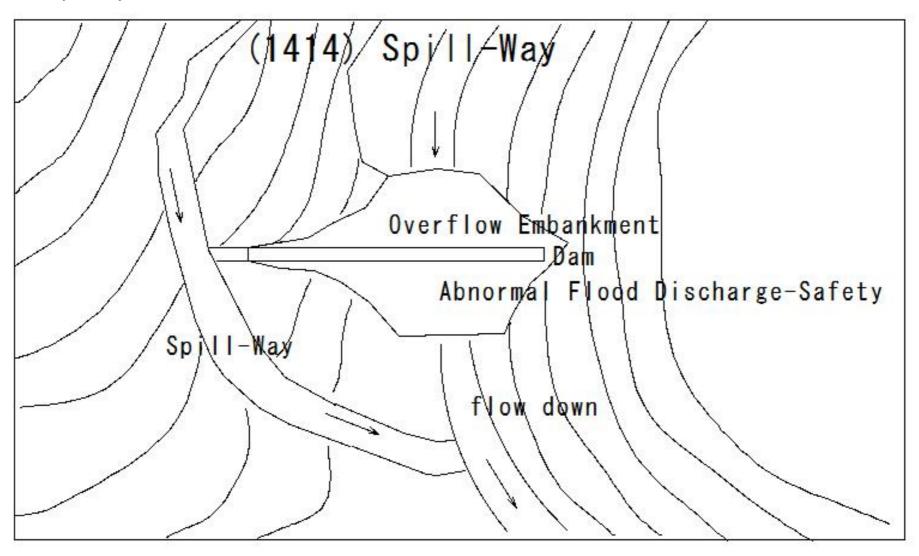


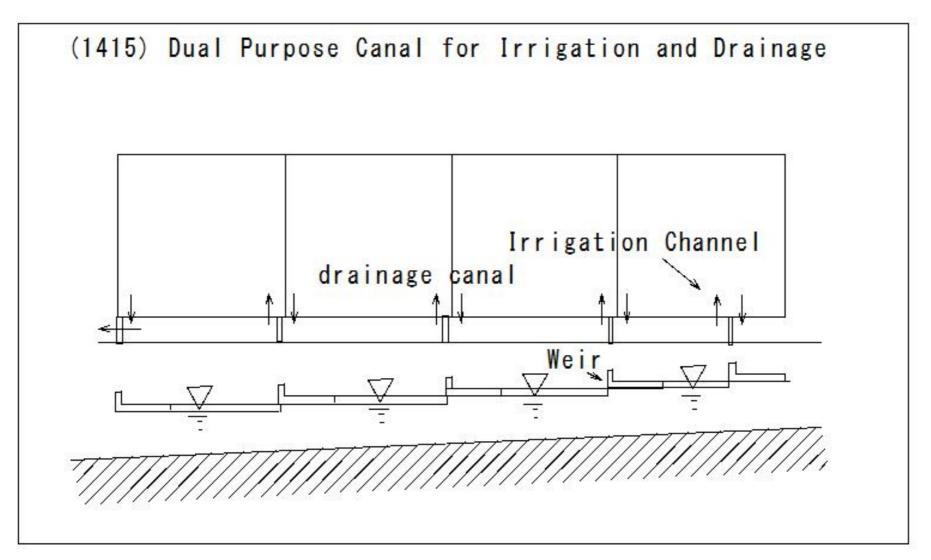


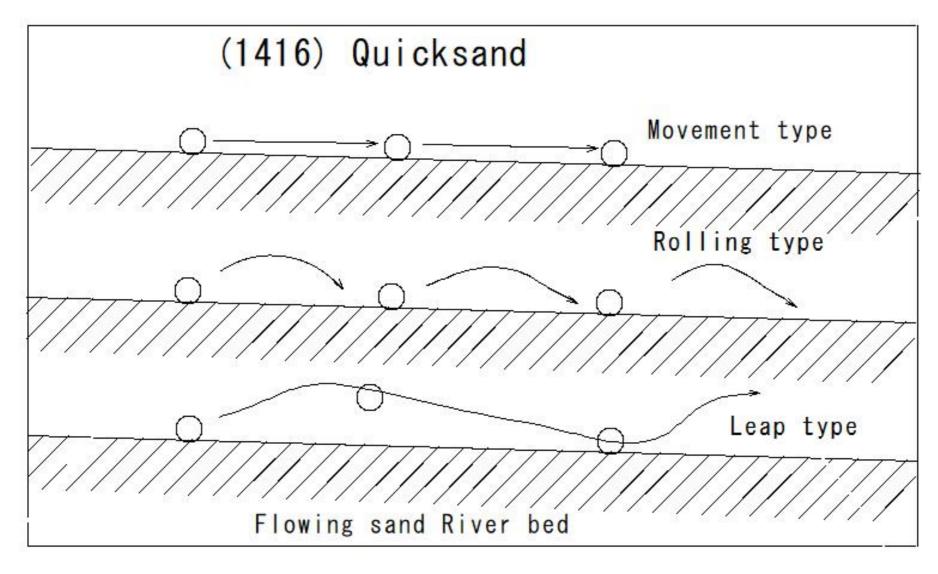




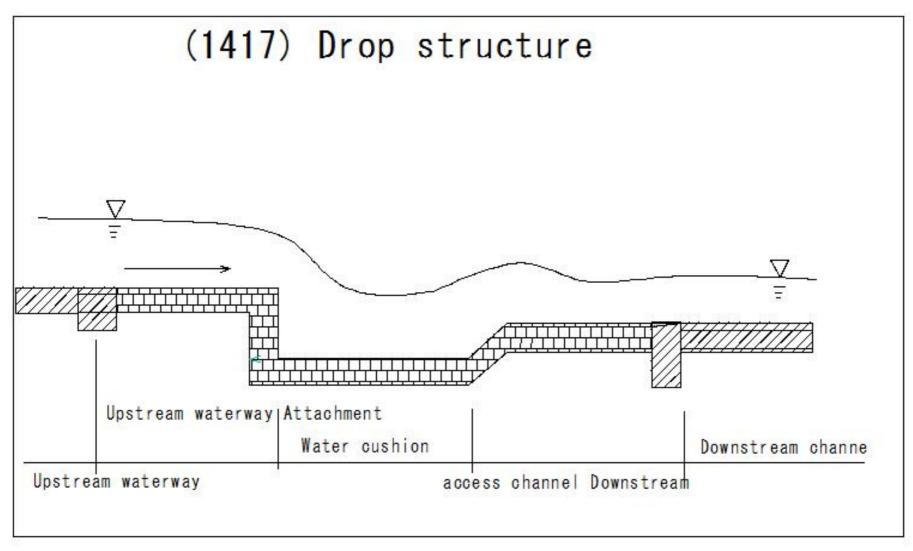
(1414) Spill-Way

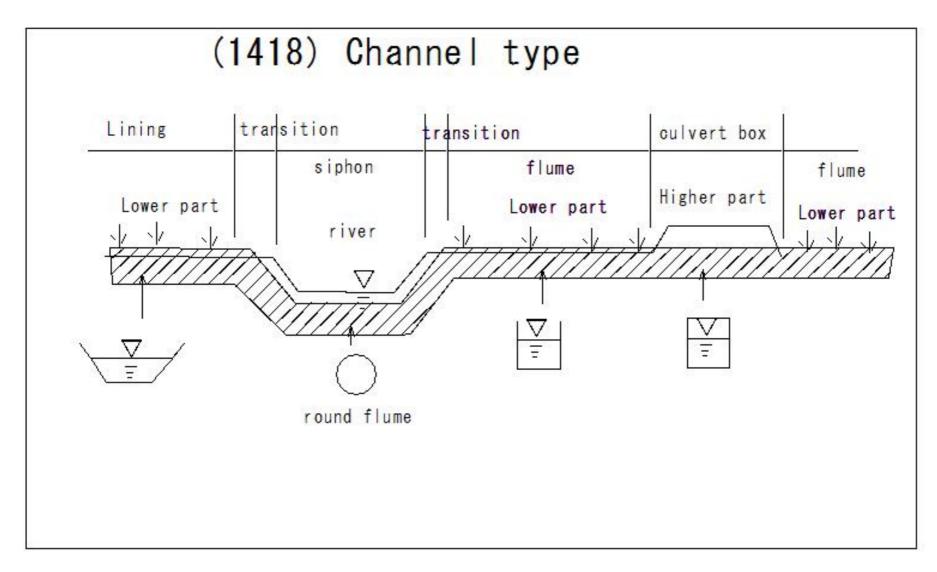


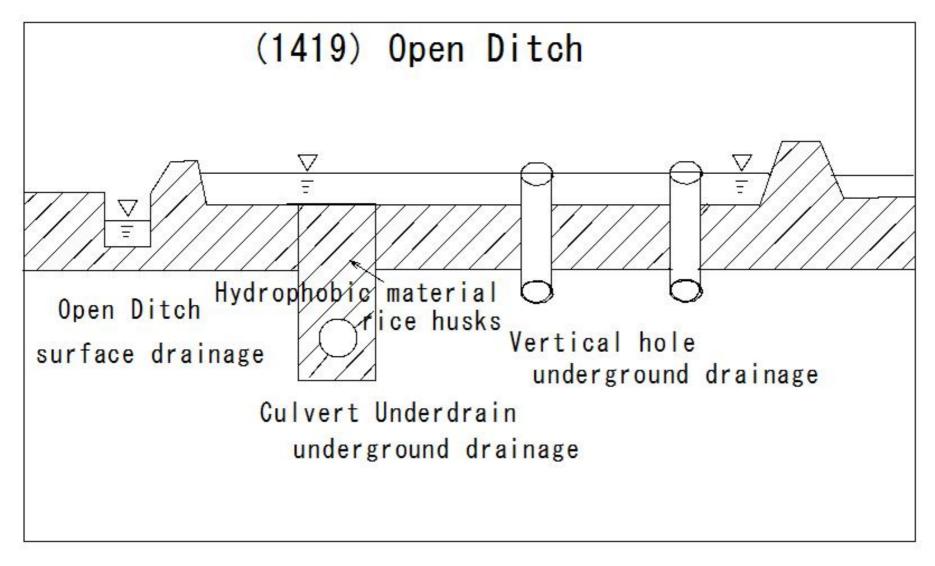




(1417) Drop structure

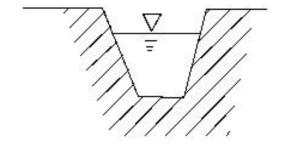






(1420) Open Ditch(2)







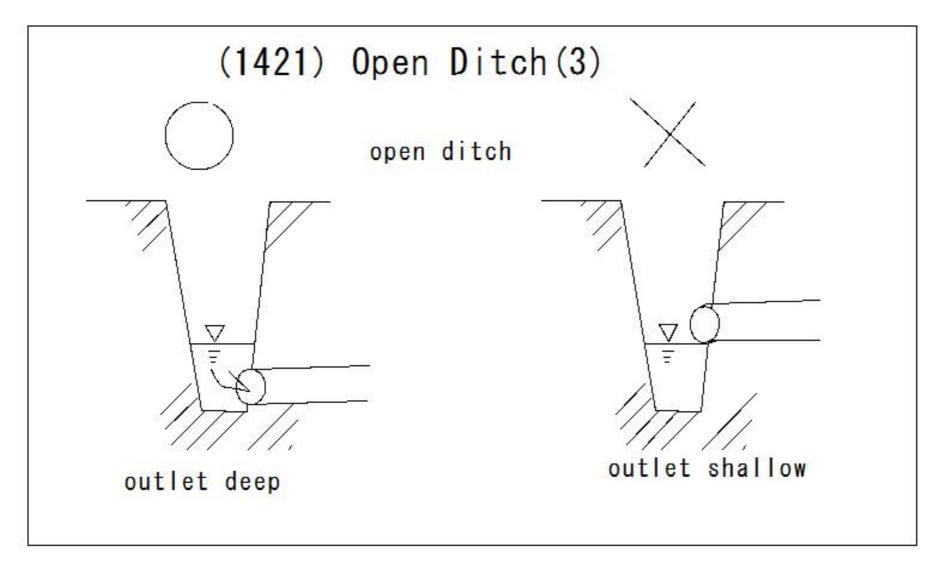
lack of depth

Reverse gradient

Shallow part

Deep part

Water does not drain



1001 Agricultural Civil Engineering Words (Illustration) in Africa 1001~	Classification
1002 (1002) plough	Tool
1003 (1003) plough	Tool
1004 (1004) plough	Tool
1005 (1005) hoe	Tool
1006 (1006) furnace	Tool
1007 (1007) furnace	Tool
1008 (1008) broad-brimmed cooking pot for rice	Tool
1009 (1009) bamboo basket for steaming food	Tool
1010 (1010) fire blow bamboo	Tool
1011 (1011) fan	Tool
1012 (1012) fire shovel	Tool
1013 (1013)charcoal extinguisher	Tool
1014 (1014) portable clay cooking stove	Tool
1015 (1015) charcoal	Tool
1016 (1016) towel	Tool
1017 (1017) knife	Tool
1018 (1018) cutting board	Tool
1019 (1019) water jar	Tool
1020 (1020) dried bonito shaver	Tool
1021 (1021) dried bonito	Tool
1022 (1022) mortar wooden pestle	Tool
1023 (1023) dipper wooden spoon	Tool
1024 (1024) grater	Tool
1025 (1025) barrel	Tool
1026 (1026) pot earthenware pot	Tool

1027 (1027) bamboo whisk	Tool
1028 (1028) ice refrigerator	Tool
1029 (1029) fly-net cupboard 1	Tool
1030 (1030) fly-net cupboard 2	Tool
1031 (1031) large pot hung over the hearth	Tool
1032 (1032) trivet (set up in a hibachi to support a kettle)	Tool
1033 (1033) earthenware baking	Tool
1034 (1034) wooden container for cooked rice	Tool
1035 (1035) box set	Tool
1036 (1036) low dining table	Tool
1037 (1037) firewood gathering	Tool
1038 (1038) buying paper scraps	Tool
1039 (1039) ash removal	Tool
1040 (1040) well pulley	Tool
1041 (1041) draw water from a well with a bucket	Tool
1042 (1042) hand pump	Tool
1043 (1043) washboard basin	Tool
1044 (1044) bath	Tool
1045 (1045) tub seat	Tool
1046 (1046) sponge cucumber	Tool
1047 (1047) toilet bowl	Tool
1048 (1048) hand wash basin	Tool
1049 (1049) oil lamp	Tool
1050 (1050) candlestick	Tool
1051 (1051) charcoal iron	Tool
1052 (1052) clothes hanger	Tool

1053 (1053) clothing storage box	Tool
1054 (1054) wicker trunk	Tool
1055 (1055) nightclothes	Tool
1056 (1056) box pillow	Tool
1057 (1057) abacus	Tool
1058 (1058) wrapping cloth	Tool
1059 (1059) wrapping cloth	Tool
1060 (1060) broom	Tool
1061 (1061) broom	Tool
1062 (1062) cleaning cloth	Tool
1063 (1063) bucket	Tool
1064 (1064) mousetrap	Tool
1065 (1065) wooden sandals	Tool
1066 (1066) Japanese umbrella	Tool
1067 (1067) cook's apron	Tool
1068 (1068) shopping basket	Tool
1069 (1069) ice water pillow	Tool
1070 (1070) mosquito strung	Tool
1071 (1071) mosquito repellent	Tool
1072 (1072) reed screen	Tool
1073 (1073) reed blind	Tool
1074 (1074) fly flapper	Tool
1075 (1075) charcoal brazier	Tool
1076 (1076) foot-warmer frame	Tool
1077 (1077) warmer	Tool
1078 (1078) hot water bottle	Tool

1079 (1079) potbelly stove	Tool
1080 (1080) hoe plow	Tool
1081 (1081) hatchet	Tool
1082 (1082) sickle	Tool
1083 (1083) winnow	Tool
1084 (1084) winnower	Tool
1085 (1085) hand threshing	Tool
1086 (1086) hand threshing	Tool
1087 (1087) grain threshing machine	Tool
1088 (1088) matting	Tool
1089 (1089) trout	Tool
1090 (1090) (straw) bagel	Tool
1091 (1091) stone mill	Tool
1092 (1092) mortar mallet	Tool
1093 (1093) pack frame	Tool
1094 (1094) pack frame	Tool
1095 (1095) large hand drawn cart	Tool
1096 (1096) rear car	Tool
1097 (1097) hulling rice	Tool
1098 (1098) polished rice	Tool
1099 (1099) manure	Tool
1100 (1100) manure	Tool
1101 (1101) straw damper	Tool
1102 (1102) straw damper	Tool
1103 (1103) straw damper	Tool
1104 (1104) round fan	Tool

1106 (1106) firewood Tool 1107 (1107) brushwood Tool 1108 (1108) charcoal briquette Tool 1109 (1109) reduce wood to charcoal Tool 1110 (1110) briquette Tool 1111 (1111) small round charcoal briquette Tool 1112 (1112) coal Tool 1113 (1113) wind-bell Tool 1114 (1114) pillow Tool 1115 (1115) fishing Tool 1116 (1116) fish spear Tool 1117 (1117) clam basket Tool 1118 (1118) fishing net Tool 1119 (1119) basket used for carrying fish Tool 1120 (1120) beam balance Tool 1121 (1121) tool for marking Tool 1122 (1122) saw Tool 1123 (1123) chisel Tool 1124 (1124) hammer Tool 1125 (1125) wooden hammer Tool 1127 (1127) spinning wheel Tool 1128 (1128) babies basket Tool 1129 (1129) manure Tool 1130 (1130) compost manure Tool	1105 (1105)	folding fan	Tool
1108 (1108) charcoal briquette Tool 1109 (1109) reduce wood to charcoal Tool 1110 (1110) briquette Tool 1111 (1111) small round charcoal briquette Tool 1112 (1112) coal Tool 1113 (1113) wind-bell Tool 1114 (1114) pillow Tool 1115 (1115) fishing Tool 1116 (1116) fish spear Tool 1117 (1117) clam basket Tool 1118 (1118) fishing net Tool 1119 (1119) basket used for carrying fish Tool 1120 (1120) beam balance Tool 1121 (1121) tool for marking Tool 1122 (1122) saw Tool 1123 (1123) chisel Tool 1124 (1124) hammer Tool 1125 (1125) wooden hammer Tool 1127 (1127) spinning wheel Tool 1128 (1128) babies basket Tool 1129 (1129) manure Tool	1106 (1106)	firewood	Tool
1109 (1109) reduce wood to charcoal Tool 1110 (1110) briquette Tool 1111 (1111) small round charcoal briquette Tool 1112 (1112) coal Tool 1113 (1113) wind-bell Tool 1114 (1114) pillow Tool 1115 (1115) fishing Tool 1116 (1116) fish spear Tool 1117 (1117) clam basket Tool 1118 (1118) fishing net Tool 1119 (1119) basket used for carrying fish Tool 1120 (1120) beam balance Tool 1121 (1121) tool for marking Tool 1122 (1122) saw Tool 1123 (1123) chisel Tool 1124 (1124) hammer Tool 1125 (1125) wooden hammer Tool 1127 (1127) spinning wheel Tool 1128 (1128) babies basket Tool 1129 (1129) manure Tool	1107 (1107)	brushwood	Tool
1110 (1110) briquette Tool 1111 (1111) small round charcoal briquette Tool 1112 (1112) coal Tool 1113 (1113) wind-bell Tool 1114 (1114) pillow Tool 1115 (1115) fishing Tool 1116 (1116) fish spear Tool 1117 (1117) clam basket Tool 1118 (1118) fishing net Tool 1119 (1119) basket used for carrying fish Tool 1120 (1120) beam balance Tool 1121 (1121) tool for marking Tool 1122 (1122) saw Tool 1123 (1123) chisel Tool 1124 (1124) hammer Tool 1125 (1125) wooden hammer Tool 1126 (1126) straw basket Tool 1127 (1127) spinning wheel Tool 1128 (1128) babies basket Tool 1129 (1129) manure Tool	1108 (1108)	charcoal briquette	Tool
1111 (1111) small round charcoal briquette Tool 1112 (1112) coal Tool 1113 (1113) wind-bell Tool 1114 (1114) pillow Tool 1115 (1115) fishing Tool 1116 (1116) fish spear Tool 1117 (1117) clam basket Tool 1118 (1118) fishing net Tool 1119 (1119) basket used for carrying fish Tool 1120 (1120) beam balance Tool 1121 (1121) tool for marking Tool 1122 (1122) saw Tool 1123 (1123) chisel Tool 1124 (1124) hammer Tool 1125 (1125) wooden hammer Tool 1126 (1126) straw basket Tool 1127 (1127) spinning wheel Tool 1128 (1128) babies basket Tool 1129 (1129) manure Tool	1109 (1109)	reduce wood to charcoal	Tool
1112 (1112) coal Tool 1113 (1113) wind-bell Tool 1114 (1114) pillow Tool 1115 (1115) fishing Tool 1116 (1116) fish spear Tool 1117 (1117) clam basket Tool 1118 (1118) fishing net Tool 1119 (1119) basket used for carrying fish Tool 1120 (1120) beam balance Tool 1121 (1121) tool for marking Tool 1122 (1122) saw Tool 1123 (1123) chisel Tool 1124 (1124) hammer Tool 1125 (1125) wooden hammer Tool 1126 (1126) straw basket Tool 1127 (1127) spinning wheel Tool 1128 (1128) babies basket Tool 1129 (1129) manure Tool	1110 (1110)	briquette	Tool
1113 (1113) wind-bell Tool 1114 (1114) pillow Tool 1115 (1115) fishing Tool 1116 (1116) fish spear Tool 1117 (1117) clam basket Tool 1118 (1118) fishing net Tool 1119 (1119) basket used for carrying fish Tool 1120 (1120) beam balance Tool 1121 (1121) tool for marking Tool 1122 (1122) saw Tool 1123 (1123) chisel Tool 1124 (1124) hammer Tool 1125 (1125) wooden hammer Tool 1126 (1126) straw basket Tool 1127 (1127) spinning wheel Tool 1128 (1128) babies basket Tool 1129 (1129) manure Tool	1111 (1111)	small round charcoal briquette	Tool
1114 (1114) pillow Tool 1115 (1115) fishing Tool 1116 (1116) fish spear Tool 1117 (1117) clam basket Tool 1118 (1118) fishing net Tool 1119 (1119) basket used for carrying fish Tool 1120 (1120) beam balance Tool 1121 (1121) tool for marking Tool 1122 (1122) saw Tool 1123 (1123) chisel Tool 1124 (1124) hammer Tool 1125 (1125) wooden hammer Tool 1127 (1127) spinning wheel Tool 1128 (1128) babies basket Tool 1129 (1129) manure Tool	1112 (1112)	coal	Tool
1115 (1115) fishing Tool 1116 (1116) fish spear Tool 1117 (1117) clam basket Tool 1118 (1118) fishing net Tool 1119 (1119) basket used for carrying fish Tool 1120 (1120) beam balance Tool 1121 (1121) tool for marking Tool 1122 (1122) saw Tool 1123 (1123) chisel Tool 1124 (1124) hammer Tool 1125 (1125) wooden hammer Tool 1126 (1126) straw basket Tool 1127 (1127) spinning wheel Tool 1128 (1128) babies basket Tool 1129 (1129) manure Tool	1113 (1113)	wind-bell	Tool
1116 (1116) fish spear Tool 1117 (1117) clam basket Tool 1118 (1118) fishing net Tool 1119 (1119) basket used for carrying fish Tool 1120 (1120) beam balance Tool 1121 (1121) tool for marking Tool 1122 (1122) saw Tool 1123 (1123) chisel Tool 1124 (1124) hammer Tool 1125 (1125) wooden hammer Tool 1126 (1126) straw basket Tool 1127 (1127) spinning wheel Tool 1128 (1128) babies basket Tool 1129 (1129) manure Tool	1114 (1114)	pillow	Tool
1117 (1117) clam basket Tool 1118 (1118) fishing net Tool 1119 (1119) basket used for carrying fish Tool 1120 (1120) beam balance Tool 1121 (1121) tool for marking Tool 1122 (1122) saw Tool 1123 (1123) chisel Tool 1124 (1124) hammer Tool 1125 (1125) wooden hammer Tool 1126 (1126) straw basket Tool 1127 (1127) spinning wheel Tool 1128 (1128) babies basket Tool 1129 (1129) manure Tool	1115 (1115)	fishing	Tool
1118 (1118) fishing net Tool 1119 (1119) basket used for carrying fish Tool 1120 (1120) beam balance Tool 1121 (1121) tool for marking Tool 1122 (1122) saw Tool 1123 (1123) chisel Tool 1124 (1124) hammer Tool 1125 (1125) wooden hammer Tool 1126 (1126) straw basket Tool 1127 (1127) spinning wheel Tool 1128 (1128) babies basket Tool 1129 (1129) manure Tool	1116 (1116)	fish spear	Tool
1119 (1119) basket used for carrying fish Tool 1120 (1120) beam balance Tool 1121 (1121) tool for marking Tool 1122 (1122) saw Tool 1123 (1123) chisel Tool 1124 (1124) hammer Tool 1125 (1125) wooden hammer Tool 1126 (1126) straw basket Tool 1127 (1127) spinning wheel Tool 1128 (1128) babies basket Tool 1129 (1129) manure Tool	1117 (1117)	clam basket	Tool
1120 (1120) beam balance Tool 1121 (1121) tool for marking Tool 1122 (1122) saw Tool 1123 (1123) chisel Tool 1124 (1124) hammer Tool 1125 (1125) wooden hammer Tool 1126 (1126) straw basket Tool 1127 (1127) spinning wheel Tool 1128 (1128) babies basket Tool 1129 (1129) manure Tool	1118 (1118)	fishing net	Tool
1121 (1121) tool for marking Tool 1122 (1122) saw Tool 1123 (1123) chisel Tool 1124 (1124) hammer Tool 1125 (1125) wooden hammer Tool 1126 (1126) straw basket Tool 1127 (1127) spinning wheel Tool 1128 (1128) babies basket Tool 1129 (1129) manure Tool	1119 (1119)	basket used for carrying fish	Tool
1122 (1122) saw Tool 1123 (1123) chisel Tool 1124 (1124) hammer Tool 1125 (1125) wooden hammer Tool 1126 (1126) straw basket Tool 1127 (1127) spinning wheel Tool 1128 (1128) babies basket Tool 1129 (1129) manure Tool	1120 (1120)	beam balance	Tool
1123 (1123) chisel Tool 1124 (1124) hammer Tool 1125 (1125) wooden hammer Tool 1126 (1126) straw basket Tool 1127 (1127) spinning wheel Tool 1128 (1128) babies basket Tool 1129 (1129) manure Tool	1121 (1121)	tool for marking	Tool
1124 (1124) hammer Tool 1125 (1125) wooden hammer Tool 1126 (1126) straw basket Tool 1127 (1127) spinning wheel Tool 1128 (1128) babies basket Tool 1129 (1129) manure Tool	1122 (1122)	saw	Tool
1125 (1125) wooden hammer Tool 1126 (1126) straw basket Tool 1127 (1127) spinning wheel Tool 1128 (1128) babies basket Tool 1129 (1129) manure Tool	1123 (1123)	chisel	Tool
1126 (1126) straw basket Tool 1127 (1127) spinning wheel Tool 1128 (1128) babies basket Tool 1129 (1129) manure Tool	1124 (1124)	hammer	Tool
1127 (1127) spinning wheel Tool 1128 (1128) babies basket Tool 1129 (1129) manure Tool	1125 (1125)	wooden hammer	Tool
1128 (1128) babies basket Tool 1129 (1129) manure Tool	1126 (1126)	straw basket	Tool
1129 (1129) manure Tool	1127 (1127)	spinning wheel	Tool
	1128 (1128)	babies basket	Tool
1130 (1130) compost manure Tool	1129 (1129)	manure	Tool
	1130 (1130)	compost manure	Tool

1131 (1131) green manure crop	Tool
1132 (1132) fertilizer made	Tool
1133 (1133) ash	Tool
1134 (1134) fork	Tool
1135 (1135) water wheel	Water
1136 (1136) forest water	Water
1137 (1137) deforestation	Water
1138 (1138) water flow	Water
1139 (1139) groundwater 1	Water
1140 (1140) groundwater 2	Water
1141 (1141) groundwater 3	Water
1142 (1142) river	Water
1143 (1143) oil storage	Water
1144 (1144) green forests dam	Water
1145 (1145) groundwater	Water
1146 (1146) water purifier 1	Water
1147 (1147) water purifier 2	Water
1148 (1148) softened water and hard water	Water
1149 (1149) canal and weir	Water
1150 (1150) drinking water and well	Water
1151 (1151) drinking water and well	Water
1152 (1152) drinking water and well	Water
1153 (1153) flood control 1	Water
1154 (1154) flood control 2	Water
1155 (1155) flood control 3	Water
1156 (1156) power generation	Water

1157 (1157) micro hydro power generation	Water
1158 (1158) Japanese traditional paper	Water
1159 (1159) wooden frame stone fish	Water
1160 (1160) shallows	Water
1161 (1161) fish way	Water
1162 (1162) rainwater utilization system 1	Water
1163 (1163) rainwater utilization system 2	Water
1164 (1164) tidal flat	Water
1165 (1165) soil	Soil
1166 (1166) soil profile	Soil
1167 (1167) rock- soil	Soil
1168 (1168) soil classification system	Soil
1169 (1169) aggregated soil	Soil
1170 (1170) soil structure	Soil
1171 (1171) soil acidic and alkaline	Soil
1172 (1172) microbial	Soil
1173 (1173) rhizobular	Soil
1174 (1174) leguminous plant	Soil
1175 (1175) soil animal	Soil
1176 (1176) earthworm	Soil
1177 (1177) photosynthesis	Soil
1178 (1178) fertilizer	Soil
1179 (1179) fertilizer:3 elements	Soil
1180 (1180) hills and fields soil	Soil
1181 (1181) repeated cultivation damage	Soil
1182 (1182) agricultural chemicals	Soil

1183 (1183) organic farming	Soil
1184 (1184) field soil	Soil
1185 (1185) paddy soil	Soil
1186 (1186) field soil and paddy soil	Soil
1187 (1187) paddy field -no continuous cropping disorder	Soil
1188 (1188) paddy field	Soil
1189 (1189) organic fertilizer	Soil
1190 (1190) compost	Soil
1191 (1191) manure applied before sowing before sowing planting	Soil
1192 (1192) additional fertilization	Soil
1193 (1193) plow a field or the soil	Soil
1194 (1194) deep plowing	Soil
1195 (1195) intercultivation	Soil
1196 (1196) Mulching	Soil
1197 (1197) soil conditioner	Soil
1198 (1198) (volcanic ash+pumice stone+volcanic glass-sedimentary soil	Soil
1199 (1199) sand dunes	Soil
1200 (1200) soil and compost	Soil
1201 (1201) hydroponics	Soil
1202 (1202) hydroponics 2	Soil
1203 (1203) dune	Soil
1204 (1204) Wetland	Soil
1205 (1205) Rice growth	Agriculture
1206 (1206) rice seeds	Agriculture
1207 (1207) seed selection with salt solution	Agriculture
1208 (1208) seed selection with salt solution	Agriculture

1209 (1209) seed s	election with wind	Agriculture
1210 (1210) Rice go	ermination	Agriculture
1211 (1211) sprout	ing seedling	Agriculture
1212 (1212) Germir	nation Rice seed	Agriculture
1213 (1213) mature	e seedling	Agriculture
1214 (1214) rice fie	eld structure	Agriculture
1215 (1215) Rice gr	rowth and Water management	Agriculture
1216 (1216) irrigate	erice paddy 1	I rrigation
1217 (1217) irrigate	e rice paddy 2	I rrigation
1218 (1218) irrigate	erice paddy 3	I rrigation
1219 (1219) Protec	t rice fields from flood damage	I rrigation
1220 (1220) Improv	e drainage	I rrigation
1221 (1221) Organi	c rice cultivation	Agriculture
1222 (1222) Organi	c rice cultivation	Agriculture
1223 (1223) Pest c	ontrol	Agriculture
1224 (1224) Soil Pr	otect Global environment	Environment
1225 (1225) Soil flo	ws when the forest disappears	Forest
1226 (1226) burnt f	arming slash-and-burn agriculture	Forest
1227 (1227) Naked	soil without plants and forest	Forest
1228 (1228) Forest	is created, soil is also created	Forest
1229 (1229) Too m	uch compost-manure-nutrients	Agriculture
1230 (1230) Dioxin		Environment
1231 (1231) Compo	ost kitchen waste turn garbage into compost	Agriculture
1232 (1232) Desert	isation	Environment
1233 (1233) Global	warming	Environment
1234 (1234) Cut do	wn trees-The river becomes muddy	Environment

1235 (1235) A	Acid rain	Environment
1236 (1236) C	Old paddy field	I rrigation
1237 (1237) F	Recent paddy fields	Irrigation
1238 (1238) L	_arge agricultural machine and the earth	Agriculture
1239 (1239) A	Agriculture protects the environment	Agriculture
1240 (1240) F	Paddy field (rice)	Agriculture
1241 (1241) A	Agriculture and forestry	Agriculture
1242 (1242) T	Γhe planet earth	Soil
1243 (1243) V	Norld Soil Map	Soil
1244 (1244) E	Environmental problems of soil 1	Soil
1245 (1245) E	Environmental problems of soil 2	Soil
1246 (1246) A	A lot of plants	Soil
1247 (1247) N	No plants	Soil
1248 (1248) F	actors for yield	Agriculture
1249 (1249) F	- ertilizer	Agriculture
1250 (1250) T	The amount of soil that decreases due to rain	Soil
1251 (1251) T	Γhe Earth break down 1	Soil
1252 (1252) T	Γhe Earth break down 2	Soil
1253 (1253) T	Γhe Earth break down 3	Environment
1254 (1254) H	How to prevent heat and wind	Environment
1255 (1255) T	The Earth that disappears 1	Environment
1256 (1256) T	The Earth that disappears 2	Environment
1257 (1257) T	The Earth that disappears 3	Environment
1258 (1258) T	The Earth that disappears 4	Environment
1259 (1259) F	Protect The Earth-Operation Green 1	Environment
1260 (1260) F	Protect The Earth-Operation Green 2	Environment

1261 (1261)	Protect The Earth-Operation Green 3		Environment
1262 (1262)	Protect The Earth-Operation Green 4		Environment
1263 (1263)	Protect The Earth-Operation Green 5		Environment
1264 (1264)	Protect The Earth-Operation Green 6		Environment
1265 (1265)	Protect The Earth-Operation Green 7		Environment
1266 (1266)	Save The Earth-Operation to collect v	water 1	Irrigation
1267 (1267)	Save The Earth-Operation to collect v	water 2	Irrigation
1268 (1268)	Save The Earth-Operation to collect v	water 3	Irrigation
1269 (1269)	Save The Earth-Operation to collect v	water 4	Irrigation
1270 (1270)	Save The Earth-Operation to collect v	water 5	I rrigation
1271 (1271)	Save The Earth-Operation to collect v	water 6	I rrigation
1272 (1272)	Save The Earth-Operation to collect v	water 7	Irrigation
1273 (1273)	Save The Earth-Operation to collect v	water 8	Irrigation
1274 (1274)	Protect The Earth-Operation Green 8		Irrigation
1275 (1275)	Protect The Earth-Operation Green 9		Irrigation
1276 (1276)	Protect The Earth-Operation Green 1	0	Irrigation
1277 (1277)	Protect The Earth-Operation Green 1	1	Irrigation
1278 (1278)	Protect The Earth-Operation Green 1	2	I rrigation
1279 (1279)	Rotation of crops 1		Agriculture
1280 (1280)	Rotation of crops 2		Agriculture
1281 (1281)	The Earth		Environment
1282 (1282)	Desertification 1		Environment
1283 (1283)	Desertification 2-Climate change		Environment
1284 (1284)	Desertification 3-Human activity		Environment
1285 (1285)	Desertification 4-Overfed livestock		Environment
1286 (1286)	Desertification 5-Cut down too many	trees	Environment

1287 (1287) Desertification 6	6-Over cultivation	Environment
1288 (1288) Desertification 7	7-Wind erosion	Environment
1289 (1289) Desertification 8	8-Water erosion	Environment
1290 (1290) Desertification 9	9-Salt damage	Environment
1291 (1291) Desertification 1	0-Poverty-Population growth	Environment
1292 (1292) Desertification 1	11–Wind Erosion	Environment
1293 (1293) Desertification 1	2 −Water erosion	Environment
1294 (1294) Desertification 1	3-Salt damage	Environment
1295 (1295) Desertification 1	4-Measures against salt damage	Environment
1296 (1296) Desertification 1	5-Prevention of desertification	Environment
1297 (1297) Desertification 1	6-Low fence	Environment
1298 (1298) Desertification 1	7-What kind of trees to plant?	Environment
1299 (1299) Desertification 1	8-Effective use of limited rainwater	Environment
1300 (1300) Desertification 1	9-Spread seeds	Environment
1301 (1301) Desertification 2	20-A drop of water	Environment
1302 (1302) Desertification 2	21-How to improve saline soil	Environment
1303 (1303) Desertification 2	22-Scrape and remove saline soil	Environment
1304 (1304) Desertification 2	23-Plant crop that absorbs salt	Environment
1305 (1305) Desertification 24-	Leaching Wash off the salt (plenty of water)	Environment
1306 (1306) Desertification 2	25-Underdrainage	Environment
1307 (1307) Desertification 2	26-Underdrain drainage system	Environment
1308 (1308) Desertification 27-	-Plant crop (resistant to drying and tolerant	Environment
1309 (1309) Desertification 2	28-Sustainable agriculture	Environment
1310 (1310) Irrigation Underd	drain 1	I rrigation
1311 (1311) Irrigation Underd	drain 2	I rrigation
1312 (1312) Irrigation Skip Fu	urrow Irrigation	I rrigation

1313 (1313) Surface Irrigation Skip Furrow Irrigation	I rrigation
1314 (1314) Surface Irrigation Border	I rrigation
1315 (1315) Surface Irrigation Contour Ridge	I rrigation
1316 (1316) Surface Irrigation Division Method	I rrigation
1317 (1317) Surface Irrigation Basin	I rrigation
1318 (1318) Overflow Irrigation	I rrigation
1319 (1319) Overflow Irrigation Watercourses	I rrigation
1320 (1320) Overflow Irrigation Tributary waterway	I rrigation
1321 (1321) Border irrigation	I rrigation
1322 (1322) Field reclamation Original Field	I rrigation
1323 (1323) Field reclamation Improvement Original Field	I rrigation
1324 (1324) Field reclamation Stairs Field	I rrigation
1325 (1325) Field reclamation Full section cutting method	I rrigation
1326 (1326) Field reclamation Slope Field	I rrigation
1327 (1327) Paddy field Plot-to-plot irrigation	I rrigation
1328 (1328) Paddy field Continuous irrigation	I rrigation
1329 (1329) Flush irrigation	I rrigation
1330 (1330) Agricultural water channel/Farm road	I rrigation
1331 (1331) Agricultural water channel/Farm road Pavement	I rrigation
1332 (1332) Agricultural water channel/Farm road Pavement Concrete Slab	I rrigation
1333 (1333) Raindrop Erosion	I rrigation
1334 (1334) Irrigation facility	I rrigation
1335 (1335) Evapotranspiration	I rrigation
1336 (1336) Cultivated plot	I rrigation
1337 (1337) Cultivated plot Field	I rrigation
1338 (1338) Soil layer improvement	I rrigation

1339 (1339) Subsoil mixed layer cultivation	I rrigation
1340 (1340) Intercepting drain	I rrigation
1341	I rrigation
1342 (1342)Water level control facility	I rrigation
1343 (1343) Hydrological cycle	I rrigation
1344 (1344) Prevention of water erosion	I rrigation
1345 (1345) Desalination Saltwater replacement	I rrigation
1346 (1346) Flood irrigation	I rrigation
1347 (1347) Direct seeding in flooded	I rrigation
1348 (1348) Groundwater	I rrigation
1349 (1349) Groundwater level	I rrigation
1350 (1350) Underground dam	I rrigation
1351 (1351) Replacement method Excavation replacement	I rrigation
1352 (1352) Replacement method Forced replacement	I rrigation
1353 (1353) Regulating Reservoir	I rrigation
1354 (1354) Terrace catchment channel	I rrigation
1355 (1355) Contour cultivation	I rrigation
1356 (1356)Division weir; Intake weir	I rrigation
1357 (1357) Division weir; Intake weir 1	I rrigation
1358 (1358) Division weir; Intake weir 2	I rrigation
1359 (1359) Consolidation works 1	I rrigation
1360 (1360) Consolidation works 2	I rrigation
1361 (1361) Consolidation works 3	I rrigation
1362 (1362) Consolidation works 4	I rrigation
1363 (1363) Consolidation works 5	I rrigation
1364 (1364) Example of use Geo-textile	I rrigation

1365 (1365) I	Example of use Geo-textile 2	Irrigation
1366 (1366) I	Example of use Geo-textile 3	Irrigation
1367 (1367) I	Example of use Geo-textile 4	I rrigation
1368 (1368) \$	Sedimentation Tank	Irrigation
1369 (1369) 3	Soil structure 1	Soil
1370 (1370) 3	Soil structure 2	Soil
1371 (1371) (Soil structure 3	Soil
1372 (1372) I	Binding of soil particles 1	Soil
1373 (1373) I	Binding of soil particles 2	Soil
1374 (1374) I	Binding of soil particles 3	Soil
1375 (1375) I	Binding of soil particles 4	Soil
1376 (1376) 3	Soil Horizon	Soil
1377 (1377) 3	Subsoil Improvement 1	I rrigation
1378 (1378) 3	Subsoil Improvement 2	I rrigation
1379 (1379) 3	Subsoil Improvement 3	I rrigation
1380 (1380) (Channel Transition	I rrigation
1381 (1381) I	Inner water level Outside water level	I rrigation
1382 (1382) I	Bed for rice seedlings	I rrigation
1383 (1383) (Complete Overflow Nappe	I rrigation
1384 (1384) I	Incomplete Overflow Nappe	I rrigation
1385 (1385) I	Pipeline 1	I rrigation
1386 (1386) I	Pipeline 2	I rrigation
1387 (1387) I	Pipeline 3	I rrigation
1388 (1388) I	Drainage channel	I rrigation
1389 (1389) :	sluiceway	I rrigation
1390 (1390) (Cross section widening(Existing embankment) 1	I rrigation

1391 (1391)	Cross section widening(Existing embankment) 2	I rrigation
1392 (1392)	Heaving	I rrigation
1393 (1393)	Rice paddy vinyl sheet	I rrigation
1394 (1394)	Fill dam 1	I rrigation
1395 (1395)	Fill dam 2	I rrigation
1396 (1396)	Fill dam 3	I rrigation
1397 (1397)	Fill dam 4	I rrigation
1398 (1398)	Complex waterway	I rrigation
1399 (1399)	Plowing	I rrigation
1400 (1400)	Closed type Diversion work	I rrigation
1401 (1401)	Constant Proportion Type Diversion Work	I rrigation
1402 (1402)	Operation Type Type Diversion Work	I rrigation
1403 (1403)	Stand Type Diversion Work	I rrigation
1404 (1404)	Farm Road Farmland Consolidation	Irrigation
1405 (1405)	Turning Irrigation Channel	I rrigation
1406 (1406)	Paddy sluice-Paddy field Drainage	I rrigation
1407 (1407)	Open Ditch	Irrigation
1408 (1408)	Soil Eroding	I rrigation
1409 (1409)	Mower	I rrigation
1410 (1410)	Mold Drain	I rrigation
1411 (1411)	Retarding Basin	Irrigation
1412 (1412)	Agricultural Drainage System	Irrigation
1413 (1413)	Irrigation Channel Drainage Facility	I rrigation
1414 (1414)	Spill-Way	I rrigation
1415 (1415)	Dual Purpose Canal for Irrigation and Drainage	I rrigation
1416 (1416)	Quicksand	I rrigation

1417 (1417) Drop structure	Irrigation
1418 (1418) Channel type	Irrigation
1419	Irrigation
1420 (1420) Open Ditch(2)	I rrigation
1421 (1421) Open Ditch(3)	I rrigation

1001 Agricultu	ural Civil Engineering Words (Illustration) in Africa 1001~	Classification
1205 (1205) F	Rice growth	Agriculture
1206 (1206) r	ice seeds	Agriculture
1207 (1207) s	seed selection with salt solution	Agriculture
1208 (1208) s	seed selection with salt solution	Agriculture
1209 (1209) s	seed selection with wind	Agriculture
1210 (1210) F	Rice germination	Agriculture
1211 (1211) s	sprouting seedling	Agriculture
1212 (1212) C	Germination Rice seed	Agriculture
1213 (1213) n	nature seedling	Agriculture
1214 (1214) r	ice field structure	Agriculture
1215 (1215) F	Rice growth and Water management	Agriculture
1221 (1221) (Organic rice cultivation	Agriculture
1222 (1222) C	Organic rice cultivation	Agriculture
1223 (1223) F	Pest control	Agriculture
1229 (1229) T	Too much compost-manure-nutrients	Agriculture
1231 (1231) (Compost kitchen waste turn garbage into compost	Agriculture
1238 (1238) L	_arge agricultural machine and the earth	Agriculture
1239 (1239) A	Agriculture protects the environment	Agriculture
1240 (1240) F	Paddy field (rice)	Agriculture
1241 (1241) A	Agriculture and forestry	Agriculture
1248 (1248) F	actors for yield	Agriculture
1249 (1249) F	- ertilizer	Agriculture
1279 (1279) F	Rotation of crops 1	Agriculture
1280 (1280) F	Rotation of crops 2	Agriculture
1224 (1224) S	Soil Protect Global environment	Environment

1230 (1230) Dioxin	Environment
1232 (1232) Desertisation	Environment
1233 (1233) Global warming	Environment
1234 (1234) Cut down trees-The river becomes muddy	Environment
1235 (1235) Acid rain	Environment
1253 (1253) The Earth break down 3	Environment
1254 (1254) How to prevent heat and wind	Environment
1255 (1255) The Earth that disappears 1	Environment
1256 (1256) The Earth that disappears 2	Environment
1257 (1257) The Earth that disappears 3	Environment
1258 (1258) The Earth that disappears 4	Environment
1259 (1259) Protect The Earth-Operation Green 1	Environment
1260 (1260) Protect The Earth-Operation Green 2	Environment
1261 (1261) Protect The Earth-Operation Green 3	Environment
1262 (1262) Protect The Earth-Operation Green 4	Environment
1263 (1263) Protect The Earth-Operation Green 5	Environment
1264 (1264) Protect The Earth-Operation Green 6	Environment
1265 (1265) Protect The Earth-Operation Green 7	Environment
1281 (1281) The Earth	Environment
1282 (1282) Desertification 1	Environment
1283 (1283) Desertification 2-Climate change	Environment
1284 (1284) Desertification 3-Human activity	Environment
1285 (1285) Desertification 4-Overfed livestock	Environment
1286 (1286) Desertification 5-Cut down too many trees	Environment
1287 (1287) Desertification 6-Over cultivation	Environment
1288 (1288) Desertification 7-Wind erosion	Environment

1289 (1289) Desertification 8-Water erosion	Environment
1290 (1290) Desertification 9-Salt damage	Environment
1291 (1291) Desertification 10-Poverty-Population growth	Environment
1292 (1292) Desertification 11-Wind Erosion	Environment
1293 (1293) Desertification 12 -Water erosion	Environment
1294 (1294) Desertification 13-Salt damage	Environment
1295 (1295) Desertification 14-Measures against salt damage	Environment
1296 (1296) Desertification 15-Prevention of desertification	Environment
1297 (1297) Desertification 16-Low fence	Environment
1298 (1298) Desertification 17-What kind of trees to plant?	Environment
1299 (1299) Desertification 18-Effective use of limited rainwater	Environment
1300 (1300) Desertification 19-Spread seeds	Environment
1301 (1301) Desertification 20-A drop of water	Environment
1302 (1302) Desertification 21-How to improve saline soil	Environment
1303 (1303) Desertification 22-Scrape and remove saline soil	Environment
1304 (1304) Desertification 23-Plant crop that absorbs salt	Environment
1305 (1305) Desertification 24-Leaching Wash off the salt (plenty of water)	Environment
1306 (1306) Desertification 25-Underdrainage	Environment
1307 (1307) Desertification 26-Underdrain drainage system	Environment
1308 (1308) Desertification 27-Plant crop (resistant to drying and tolerant	Environment
1309 (1309) Desertification 28-Sustainable agriculture	Environment
1225 (1225) Soil flows when the forest disappears	Forest
1226 (1226) burnt farming slash-and-burn agriculture	Forest
1227 (1227) Naked soil without plants and forest	Forest
1228 (1228) Forest is created, soil is also created	Forest
1216 (1216) irrigate rice paddy 1	Irrigation

1217 (1217) irrigate rice paddy 2	Irrigation
1218 (1218) irrigate rice paddy 3	I rrigation
1219 (1219) Protect rice fields from flood damage	I rrigation
1220 (1220) Improve drainage	I rrigation
1236 (1236) Old paddy field	I rrigation
1237 (1237) Recent paddy fields	I rrigation
1266 (1266) Save The Earth-Operation to collect water 1	I rrigation
1267 (1267) Save The Earth-Operation to collect water 2	I rrigation
1268 (1268) Save The Earth-Operation to collect water 3	I rrigation
1269 (1269) Save The Earth-Operation to collect water 4	I rrigation
1270 (1270) Save The Earth-Operation to collect water 5	I rrigation
1271 (1271) Save The Earth-Operation to collect water 6	I rrigation
1272 (1272) Save The Earth-Operation to collect water 7	I rrigation
1273 (1273) Save The Earth-Operation to collect water 8	I rrigation
1274 (1274) Protect The Earth-Operation Green 8	I rrigation
1275 (1275) Protect The Earth-Operation Green 9	I rrigation
1276 (1276) Protect The Earth-Operation Green 10	I rrigation
1277 (1277) Protect The Earth-Operation Green 11	I rrigation
1278 (1278) Protect The Earth-Operation Green 12	I rrigation
1310 (1310) Irrigation Underdrain 1	I rrigation
1311 (1311) Irrigation Underdrain 2	I rrigation
1312 (1312) Irrigation Skip Furrow Irrigation	I rrigation
1313 (1313) Surface Irrigation Skip Furrow Irrigation	I rrigation
1314 (1314) Surface Irrigation Border	I rrigation
1315 (1315) Surface Irrigation Contour Ridge	I rrigation
1316 (1316) Surface Irrigation Division Method	I rrigation

1317 (1317) Surface Irrigation Basin	I rrigation
1318 (1318) Overflow Irrigation	I rrigation
1319 (1319) Overflow Irrigation Watercourses	I rrigation
1320 (1320) Overflow Irrigation Tributary waterway	I rrigation
1321 (1321) Border irrigation	I rrigation
1322 (1322) Field reclamation Original Field	I rrigation
1323 (1323) Field reclamation Improvement Original Field	I rrigation
1324 (1324) Field reclamation Stairs Field	I rrigation
1325 (1325) Field reclamation Full section cutting method	I rrigation
1326 (1326) Field reclamation Slope Field	I rrigation
1327 (1327) Paddy field Plot-to-plot irrigation	I rrigation
1328 (1328) Paddy field Continuous irrigation	I rrigation
1329 (1329) Flush irrigation	I rrigation
1330 (1330) Agricultural water channel/Farm road	I rrigation
1331 (1331) Agricultural water channel/Farm road Pavement	I rrigation
1332 (1332) Agricultural water channel/Farm road Pavement Concrete Slab	I rrigation
1333 (1333) Raindrop Erosion	I rrigation
1334 (1334) Irrigation facility	I rrigation
1335 (1335) Evapotranspiration	I rrigation
1336 (1336) Cultivated plot	I rrigation
1337 (1337) Cultivated plot Field	I rrigation
1338 (1338) Soil layer improvement	I rrigation
1339 (1339) Subsoil mixed layer cultivation	I rrigation
1340 (1340) Intercepting drain	I rrigation
1341 (1341) Water lock	I rrigation
1342 (1342)Water level control facility	I rrigation

1343 (1343) Hydrological cycle	I rrigation
1344 (1344) Prevention of water erosion	I rrigation
1345 (1345) Desalination Saltwater replacement	I rrigation
1346 (1346) Flood irrigation	I rrigation
1347 (1347) Direct seeding in flooded	I rrigation
1348 (1348) Groundwater	I rrigation
1349 (1349) Groundwater level	I rrigation
1350 (1350) Underground dam	I rrigation
1351 (1351) Replacement method Excavation replacement	I rrigation
1352 (1352) Replacement method Forced replacement	I rrigation
1353 (1353) Regulating Reservoir	I rrigation
1354 (1354) Terrace catchment channel	I rrigation
1355 (1355) Contour cultivation	I rrigation
1356 (1356)Division weir; Intake weir	I rrigation
1357 (1357) Division weir; Intake weir 1	I rrigation
1358 (1358) Division weir; Intake weir 2	I rrigation
1359 (1359) Consolidation works 1	I rrigation
1360 (1360) Consolidation works 2	I rrigation
1361 (1361) Consolidation works 3	I rrigation
1362 (1362) Consolidation works 4	I rrigation
1363 (1363) Consolidation works 5	I rrigation
1364 (1364) Example of use Geo-textile	I rrigation
1365 (1365) Example of use Geo-textile 2	I rrigation
1366 (1366) Example of use Geo-textile 3	I rrigation
1367 (1367) Example of use Geo-textile 4	I rrigation
1368 (1368) Sedimentation Tank	I rrigation

1377 (1377)	Subsoil Improvement 1	I rrigation
1378 (1378)	Subsoil Improvement 2	I rrigation
1379 (1379)	Subsoil Improvement 3	I rrigation
1380 (1380)	Channel Transition	I rrigation
1381 (1381)	Inner water level Outside water level	I rrigation
1382 (1382)	Bed for rice seedlings	Irrigation
1383 (1383)	Complete Overflow Nappe	Irrigation
1384 (1384)	Incomplete Overflow Nappe	Irrigation
1385 (1385)	Pipeline 1	I rrigation
1386 (1386)	Pipeline 2	I rrigation
1387 (1387)	Pipeline 3	I rrigation
1388 (1388)	Drainage channel	I rrigation
1389 (1389)	sluiceway	I rrigation
1390 (1390)	Cross section widening(Existing embankment) 1	I rrigation
1391 (1391)	Cross section widening(Existing embankment) 2	I rrigation
1392 (1392)	Heaving	I rrigation
1393 (1393)	Rice paddy vinyl sheet	I rrigation
1394 (1394)	Fill dam 1	I rrigation
1395 (1395)	Fill dam 2	I rrigation
1396 (1396)	Fill dam 3	I rrigation
1397 (1397)	Fill dam 4	I rrigation
1398 (1398)	Complex waterway	I rrigation
1399 (1399)	Plowing	I rrigation
1400 (1400)	Closed type Diversion work	I rrigation
1401 (1401)	Constant Proportion Type Diversion Work	I rrigation
1402 (1402)	Operation Type Type Diversion Work	I rrigation

1403 (1403) Stand Type Diversion Work	I rrigation
1404 (1404) Farm Road Farmland Consolidation	I rrigation
1405 (1405) Turning Irrigation Channel	I rrigation
1406 (1406) Paddy sluice-Paddy field Drainage	I rrigation
1407 (1407) Open Ditch	I rrigation
1408 (1408) Soil Eroding	I rrigation
1409 (1409) Mower	I rrigation
1410 (1410) Mold Drain	I rrigation
1411 (1411) Retarding Basin	I rrigation
1412 (1412) Agricultural Drainage System	I rrigation
1413 (1413) Irrigation Channel Drainage Facility	I rrigation
1414 (1414) Spill-Way	I rrigation
1415 (1415) Dual Purpose Canal for Irrigation and Drainage	I rrigation
1416 (1416) Quicksand	I rrigation
1417 (1417) Drop structure	I rrigation
1418 (1418) Channel type	I rrigation
1419 (1419) Open Ditch	I rrigation
1420 (1420) Open Ditch(2)	I rrigation
1421 (1421) Open Ditch(3)	I rrigation
1165 (1165) soil	Soil
1166 (1166) soil profile	Soil
1167 (1167) rock- soil	Soil
1168 (1168) soil classification system	Soil
1169 (1169) aggregated soil	Soil
1170 (1170) soil structure	Soil
1171 (1171) soil acidic and alkaline	Soil

1172 (1172) microbial	Soil
1173 (1173) rhizobular	Soil
1174 (1174) leguminous plant	Soil
1175 (1175) soil animal	Soil
1176 (1176) earthworm	Soil
1177 (1177) photosynthesis	Soil
1178 (1178) fertilizer	Soil
1179 (1179) fertilizer:3 elements	Soil
1180 (1180) hills and fields soil	Soil
1181 (1181) repeated cultivation damage	Soil
1182 (1182) agricultural chemicals	Soil
1183 (1183) organic farming	Soil
1184 (1184) field soil	Soil
1185 (1185) paddy soil	Soil
1186 (1186) field soil and paddy soil	Soil
1187 (1187) paddy field -no continuous cropping disorder	Soil
1188 (1188) paddy field	Soil
1189 (1189) organic fertilizer	Soil
1190 (1190) compost	Soil
1191 (1191) manure applied before sowing before sowing planting	Soil
1192 (1192) additional fertilization	Soil
1193 (1193) plow a field or the soil	Soil
1194 (1194) deep plowing	Soil
1195 (1195) intercultivation	Soil
1196 (1196) Mulching	Soil
1197 (1197) soil conditioner	Soil

1198 (1198) (volcanic ash+pumice stone+volcanic glass-sedimentary soil	Soil
1199 (1199) sand dunes	Soil
1200 (1200) soil and compost	Soil
1201 (1201) hydroponics	Soil
1202 (1202) hydroponics 2	Soil
1203 (1203) dune	Soil
1204 (1204) Wetland	Soil
1242 (1242) The planet earth	Soil
1243 (1243) World Soil Map	Soil
1244 (1244) Environmental problems of soil 1	Soil
1245 (1245) Environmental problems of soil 2	Soil
1246 (1246) A lot of plants	Soil
1247 (1247) No plants	Soil
1250 (1250) The amount of soil that decreases due to rain	Soil
1251 (1251) The Earth break down 1	Soil
1252 (1252) The Earth break down 2	Soil
1369 (1369) Soil structure 1	Soil
1370 (1370) Soil structure 2	Soil
1371 (1371) Soil structure 3	Soil
1372 (1372) Binding of soil particles 1	Soil
1373 (1373) Binding of soil particles 2	Soil
1374 (1374) Binding of soil particles 3	Soil
1375 (1375) Binding of soil particles 4	Soil
1376 (1376) Soil Horizon	Soil
1002 (1002) plough	Tool
1003 (1003) plough	Tool

1004 (1004) plough	Tool
1005 (1005) hoe	Tool
1006 (1006) furnace	Tool
1007 (1007) furnace	Tool
1008 (1008) broad-brimmed cooking pot for rice	Tool
1009 (1009) bamboo basket for steaming food	Tool
1010 (1010) fire blow bamboo	Tool
1011 (1011) fan	Tool
1012 (1012) fire shovel	Tool
1013 (1013)charcoal extinguisher	Tool
1014 (1014) portable clay cooking stove	Tool
1015 (1015) charcoal	Tool
1016 (1016) towel	Tool
1017 (1017) knife	Tool
1018 (1018) cutting board	Tool
1019 (1019) water jar	Tool
1020 (1020) dried bonito shaver	Tool
1021 (1021) dried bonito	Tool
1022 (1022) mortar wooden pestle	Tool
1023 (1023) dipper wooden spoon	Tool
1024 (1024) grater	Tool
1025 (1025) barrel	Tool
1026 (1026) pot earthenware pot	Tool
1027 (1027) bamboo whisk	Tool
1028 (1028) ice refrigerator	Tool
1029 (1029) fly-net cupboard 1	Tool

1030 (1030) fly-net cupboard 2	Tool
1031 (1031) large pot hung over the hearth	Tool
1032 (1032) trivet (set up in a hibachi to support a kettle)	Tool
1033 (1033) earthenware baking	Tool
1034 (1034) wooden container for cooked rice	Tool
1035 (1035) box set	Tool
1036 (1036) low dining table	Tool
1037 (1037) firewood gathering	Tool
1038 (1038) buying paper scraps	Tool
1039 (1039) ash removal	Tool
1040 (1040) well pulley	Tool
1041 (1041) draw water from a well with a bucket	Tool
1042 (1042) hand pump	Tool
1043 (1043) washboard basin	Tool
1044 (1044) bath	Tool
1045 (1045) tub seat	Tool
1046 (1046) sponge cucumber	Tool
1047 (1047) toilet bowl	Tool
1048 (1048) hand wash basin	Tool
1049 (1049) oil lamp	Tool
1050 (1050) candlestick	Tool
1051 (1051) charcoal iron	Tool
1052 (1052) clothes hanger	Tool
1053 (1053) clothing storage box	Tool
1054 (1054) wicker trunk	Tool
1055 (1055) nightclothes	Tool

1056 (1056) box pillow	Tool
1057 (1057) abacus	Tool
1058 (1058) wrapping cloth	Tool
1059 (1059) wrapping cloth	Tool
1060 (1060) broom	Tool
1061 (1061) broom	Tool
1062 (1062) cleaning cloth	Tool
1063 (1063) bucket	Tool
1064 (1064) mousetrap	Tool
1065 (1065) wooden sandals	Tool
1066 (1066) Japanese umbrella	Tool
1067 (1067) cook's apron	Tool
1068 (1068) shopping basket	Tool
1069 (1069) ice water pillow	Tool
1070 (1070) mosquito strung	Tool
1071 (1071) mosquito repellent	Tool
1072 (1072) reed screen	Tool
1073 (1073) reed blind	Tool
1074 (1074) fly flapper	Tool
1075 (1075) charcoal brazier	Tool
1076 (1076) foot-warmer frame	Tool
1077 (1077) warmer	Tool
1078 (1078) hot water bottle	Tool
1079 (1079) potbelly stove	Tool
1080 (1080) hoe plow	Tool
1081 (1081) hatchet	Tool

1082 (1082) sickle	Tool
1083 (1083) winnow	Tool
1084 (1084) winnower	Tool
1085 (1085) hand threshing	Tool
1086 (1086) hand threshing	Tool
1087 (1087) grain threshing machine	Tool
1088 (1088) matting	Tool
1089 (1089) trout	Tool
1090 (1090) (straw) bagel	Tool
1091 (1091) stone mill	Tool
1092 (1092) mortar mallet	Tool
1093 (1093) pack frame	Tool
1094 (1094) pack frame	Tool
1095 (1095) large hand drawn cart	Tool
1096 (1096) rear car	Tool
1097 (1097) hulling rice	Tool
1098 (1098) polished rice	Tool
1099 (1099) manure	Tool
1100 (1100) manure	Tool
1101 (1101) straw damper	Tool
1102 (1102) straw damper	Tool
1103 (1103) straw damper	Tool
1104 (1104) round fan	Tool
1105 (1105) folding fan	Tool
1106 (1106) firewood	Tool
1107 (1107) brushwood	Tool

1108 (1108) charcoal briquette	Tool
1109 (1109) reduce wood to charcoal	Tool
1110 (1110) briquette	Tool
1111 (1111) small round charcoal briquette	Tool
1112 (1112) coal	Tool
1113 (1113) wind-bell	Tool
1114 (1114) pillow	Tool
1115 (1115) fishing	Tool
1116 (1116) fish spear	Tool
1117 (1117) clam basket	Tool
1118 (1118) fishing net	Tool
1119 (1119) basket used for carrying fish	Tool
1120 (1120) beam balance	Tool
1121 (1121) tool for marking	Tool
1122 (1122) saw	Tool
1123 (1123) chisel	Tool
1124 (1124) hammer	Tool
1125 (1125) wooden hammer	Tool
1126 (1126) straw basket	Tool
1127 (1127) spinning wheel	Tool
1128 (1128) babies basket	Tool
1129 (1129) manure	Tool
1130 (1130) compost manure	Tool
1131 (1131) green manure crop	Tool
1132 (1132) fertilizer made	Tool
1133 (1133) ash	Tool

1134 (1134) fork	Tool
1135 (1135) water wheel	Water
1136 (1136) forest water	Water
1137 (1137) deforestation	Water
1138 (1138) water flow	Water
1139 (1139) groundwater 1	Water
1140 (1140) groundwater 2	Water
1141 (1141) groundwater 3	Water
1142 (1142) river	Water
1143 (1143) oil storage	Water
1144 (1144) green forests dam	Water
1145 (1145) groundwater	Water
1146 (1146) water purifier 1	Water
1147 (1147) water purifier 2	Water
1148 (1148) softened water and hard water	Water
1149 (1149) canal and weir	Water
1150 (1150) drinking water and well	Water
1151 (1151) drinking water and well	Water
1152 (1152) drinking water and well	Water
1153 (1153) flood control 1	Water
1154 (1154) flood control 2	Water
1155 (1155) flood control 3	Water
1156 (1156) power generation	Water
1157 (1157) micro hydro power generation	Water
1158 (1158) Japanese traditional paper	Water
1159 (1159) wooden frame stone fish	Water

Water
Water
Water
Water
Water

Classification

Agricultural machinery

Agriculture

Breakwater

Bridge

Coast

Concete

Construction

Construction machinery

Dam

Earth work

Embankment

Environment

Fishery

Forest

Foundation

Geology

Hydraulic

Irrigation

Railway

Retaining wall

Revetment

River

Road

Sewage

Soil

Structure

Survey

Tool

Topography Tunnel

Water